

## **Exhibit 63**

# **PLAINTIFFS' RESPONSE TO DEFENDANTS' MOTION TO EXCLUDE GENERAL CAUSATION TESTIMONY OF PLAINTIFFS' EXPERTS**

Case No.: 4:22-md-03047-YGR

MDL No. 3047

In Re: Social Media Adolescent Addiction/Personal Injury Products Liability Litigation

**Expert Rebuttal Report**

**Eva H. Telzer, Ph.D**

**July 30, 2025**

The undersigned hereby certifies their understanding that they owe a primary and overriding duty of candor and professional integrity to help the Court on matters within their expertise and in all submissions to, or testimony before, the Court. The undersigned further certifies that their report and opinions are not being presented for any improper purpose, such as to harass, cause unnecessary delay, or needlessly increase the cost of litigation.

A handwritten signature in black ink, appearing to read 'Eva Telzer', with a horizontal line extending to the right.

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Eva Telzer, Ph.D.

## Table of Contents

I.	Summary of Rebuttal Opinions .....	3
II.	Clinically relevant mental health can be reliably measured with self-report measures.....	4
III.	Self-report measures are the gold standard for assessing psychological experiences of social media. ....	7
IV.	Sample sizes.....	8
V.	Defendants’ Experts Take An Inconsistent analysis/methodological approach in reliance on harms vs benefits.....	11
VI.	Design features of the social media platforms are driving causation .....	13
VII.	Effects are due to social media and not just general teen experiences. ....	23
VIII.	YouTube Is a Social Media Platform, with Similar Features to Snapchat, Instagram/Facebook, and TikTok .....	23
IX.	Social Media Addiction Is Recognized in the Broader Literature and by the American Psychological Association .....	24
X.	Reward Sensitivity as a Risk.....	25
XI.	Defendants’ Experts Misinterpret and Misrepresent fMRI Data and Results .....	27
XII.	Social Media Creates Harms in School .....	42
XIII.	Smartphone Use and Social Media Disrupt Sleep and Impair Sleep Health .....	45
XIV.	Risks of Social Media Use Outweigh the Benefits .....	47
XV.	Underlying Data in Telzer Report.....	50
XVI.	Other Miscellaneous Responses to Defendants’ Experts.....	50

1. I have reviewed the defendants' expert reports listed on my materials considered list. None of the defendant expert reports changed my opinions in my prior report. Based upon my review of the defendant expert reports, I offer a series of rebuttal opinions enumerated below. Many of these rebuttal opinions apply to multiple defense experts, i.e. criticisms regarding self-report data in study design, and I have tried to list out specific experts where applicable. However, the rebuttal would apply to any defense expert with the same critique, even if not specifically named.

## **I. Summary of Rebuttal Opinions**

2. After reviewing the defendants' expert reports, it is my opinion that self-report data is widely accepted in scientific research and clinically relevant mental health outcomes can be measured from this data.
3. As a researcher and scientist in the field, it is my opinion that both small and large (and medium) sample sizes can be part of a reliable, well-designed study.
4. As I have previously stated, there are both potential risks and benefits to social media use by adolescents. Defendants' experts, however, take an inconsistent methodological approach to their consideration of the risks and benefits of social media.
5. Design features of social media platforms are driving causation of various risks and changes in adolescent brain development. These potential harmful effects are due to social media use, and not just typical adolescent experiences.
6. YouTube is a social media platform, with similar design features and mechanisms of harm to Instagram/Facebook, Snapchat, and TikTok.
7. Social Media Addiction, while not recognized by the defendant experts, is recognized in the broader academic literature and by the American Psychiatric Association.
8. Defendants Experts misinterpret and misrepresent fMRI data and results in studies of social media use and brain development in adolescents. This includes the concept that reward sensitivity in adolescents can be a risk, as well as the observation that the reward circuitry in the brain is activated by social rewards, including social rewards that include social media.
9. Contrary to the Defendants' experts' assertion, it is my opinion that social media creates various harms in schools that are detailed below and in my opening report.
10. Smartphone use and social media disrupt sleep and impair sleep health.
11. Based on the totality of the literature, the known and unknown impacts on adolescent brain development, and my professional experience and training, it is my opinion that the risks of social media outweigh the potential benefits of social media in adolescents.



12. Lastly, my opinions are supported by several sources, including the conclusions in peer-reviewed published literature, my experience, education, and training. I also detail below specific criticisms of some of the Defense experts.

## **II. Clinically Relevant Mental Health can be Reliably Measured with Self-report Measures**

13. Defendants' experts opine that self-report measures are not valid for assessing mental health (e.g., Galvan). Notably, the report testimony appears to differ from the testimony offered at Dr. Galvan's deposition, where she testified that she doesn't know of any research regarding the reliability of self-report of symptoms and states she won't offer an opinion on self-report of feelings.<sup>1</sup> However, many of the defendants' experts use self-report measures of mental health in their own research (e.g., Pfeifer<sup>2</sup>, Allen<sup>3,4</sup>, Galvan<sup>5</sup>, Gotlib<sup>6</sup>). Indeed, Pfeifer has published that e.g., "Symptoms rather than diagnosis was chosen as a selection criterion as research has shown that elevated maternal depressive symptoms are associated with parenting difficulties and/or adverse child outcomes regardless of whether they meet for a diagnosis,"<sup>7</sup> underscoring that symptoms are meaningful and predictive and there need not be a diagnosis. Defense expert Allen has also published a paper showing longitudinal links between heavy social network use and heightened depression and anxiety (self-reported using the Short Mood and Feelings Questionnaire (SMFQ) for depression and the Spence Children's Anxiety Scale) in adolescent girls, consistent with the premise that social media causes harms to adolescents' mental health<sup>8</sup>. The publication further emphasizes the self-report measures of mental health as a strength of the paper: "Separate

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<sup>1</sup> Galvan Deposition 92:21-93:2.

<sup>2</sup> Barendse, M., Kievit, R., & Pfeifer, J. (2024). Longitudinal, Bidirectional Associations Between Frontostriatal Connectivity and Depressive Symptoms in Adolescent Girls. *Biological Psychiatry*, 95(10), S59-S60

<sup>3</sup> Ng, M. Y., Frederick, J. A., Fisher, A. J., Allen, N. B., Pettit, J. W., & McMakin, D. L. (2024). Identifying Person-Specific Drivers of Depression in Adolescents: Protocol for a Smartphone-Based Ecological Momentary Assessment and Passive Sensing Study. *JMIR Research Protocols*, 13, e43931.

<sup>4</sup> Mundy, L. K., Canterford, L., Moreno-Betancur, M., Hoq, M., Sawyer, S. M., Allen, N. B., & Patton, G. C. (2021). Social networking and symptoms of depression and anxiety in early adolescence. *Depression and anxiety*, 38(5), 563-570.

<sup>5</sup> Padgaonkar, N. T., Lawrence, K. E., Hernandez, L. M., Green, S. A., Galván, A., & Dapretto, M. (2020). Sex differences in internalizing symptoms and amygdala functional connectivity in neurotypical youth. *Developmental Cognitive Neuroscience*, 44, 100797

<sup>6</sup> Effects of the Covid-19 Pandemic on Mental Health and Brain Maturation in Adolescents: Implications for Analyzing Longitudinal Data (2023)

<sup>7</sup> Barendse, M. E., Allen, N. B., Sheeber, L., & Pfeifer, J. H. (2024). Associations between parenting behavior and neural processing of adolescent faces in mothers with and without depression. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 9(1), 41-49.

<sup>8</sup> Mundy, L. K., Canterford, L., Moreno-Betancur, M., Hoq, M., Sawyer, S. M., Allen, N. B., & Patton, G. C. (2021). Social networking and symptoms of depression and anxiety in early adolescence. *Depression and anxiety*, 38(5), 563-570.

measures of depressive and anxiety symptoms, rather than a global construct of psychological distress, is a further strength.”<sup>9</sup> Moreover, I have published with several of the defendants’ experts (Galvan, Pfeifer)<sup>10,11,12</sup> where we used self-report measures of mental health.

14. In large-scale longitudinal studies, researchers often rely on validated self-report symptom measures rather than formal clinical interviews due to feasibility, scalability, and the ability to capture dimensional variation across time. These tools have been shown to correlate strongly with structured clinical interviews and are widely used as reliable indicators of clinically meaningful distress, particularly in developmental and population neuroscience.

15. A few of the gold standard self- and parent-report scales for measuring depression include the following:

16. Short Mood and Feelings Questionnaire (SMFQ). Widely used in adolescents to assess depressive symptoms over the past two weeks. Thapar & McGuffin (1998)<sup>13</sup> and Angold et al. (1995)<sup>14</sup> demonstrated that the SMFQ shows good internal consistency ( $\alpha > 0.85$ ) and distinguishes clinically depressed youth from non-depressed controls. Sharp et al. (2006)<sup>15</sup> found that the SMFQ correlates well with the Moods and Feelings Questionnaire (MFQ) and with K-SADS diagnoses of major depressive disorder (MDD). Cutoffs (e.g.,  $\geq 11$  or  $\geq 12$ ) can yield sensitivities and specificities in the 70–85% range.

17. Child Behavior Checklist (CBCL). Parent-report tool for identifying behavioral and emotional problems in children ages 6–18. CBCL Internalizing Problems and Affective Problems

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<sup>9</sup> *Id.* at 550.

<sup>10</sup> Qu, Y., Fuligni, A. J., Galván, A., Lieberman, M. D., & Telzer, E. H. (2016). Links between parental depression and longitudinal changes in youths’ neural sensitivity to rewards. *Social Cognitive and Affective Neuroscience*, 11(8), 1262-1271.

<sup>11</sup> Telzer, E. H., Fuligni, A. J., Lieberman, M. D., & Galván, A. (2014). Neural sensitivity to eudaimonic and hedonic rewards differentially predict adolescent depressive symptoms over time. *Proceedings of the National Academy of Sciences*, 111(18), 6600-6605

<sup>12</sup> Barendse, M. E., Flannery, J., Cavanagh, C., Aristizabal, M., Becker, S. P., Berger, E., ... & Pfeifer, J. H. (2023). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic. *Journal of Research on Adolescence*, 33(1), 74-91.

<sup>13</sup> Thapar, A., & McGuffin, P. (1998). Validity of the shortened Mood and Feelings Questionnaire in a community sample of children and adolescents: a preliminary research note. *Psychiatry research*, 81(2), 259-268.

<sup>14</sup> Angold, A., Costello, E. J., Messer, S. C., & Pickles, A. (1995). Development of a short questionnaire for use in epidemiological studies of depression in children and adolescents. *International Journal of Methods in Psychiatric Research*, 5(4), 237–249.

<sup>15</sup> Sharp, C., Goodyer, I.M. & Croudace, T.J. (2006). The Short Mood and Feelings Questionnaire (SMFQ): A Unidimensional Item Response Theory and Categorical Data Factor Analysis of Self-Report Ratings from a Community Sample of 7-through 11-Year-Old Children. *Journal of Abnormal Child Psychology*, 34, 365–377. <https://doi.org/10.1007/s10802-006-9027-x>

scales have been shown to correlate with DSM-based diagnoses obtained via the DISC (Diagnostic Interview Schedule for Children) and K-SADS. Dutra et al. (2004)<sup>16</sup> showed that CBCL Internalizing scores could differentiate depressed from non-depressed youth with reasonable accuracy. Warnick et al. (2008)<sup>17</sup> conducted a meta-analysis and found that CBCL internalizing scores had moderate-to-high sensitivity (0.66–0.85) and specificity (0.70–0.90) for detecting psychiatric diagnoses, depending on the cutoff used.

18. PHQ-9 (for adolescents and adults). Widely used to screen for depression symptoms in clinical and community samples. The PHQ-9 has been validated against SCID and K-SADS in both adult and adolescent populations. Richardson et al. (2010)<sup>18</sup> found that among adolescents, a cutoff score of  $\geq 11$  on the PHQ-9 optimized sensitivity (89.5%) and specificity (77.5%) for detecting MDD using the K-SADS as the gold standard.

19. Self-report scales like the CBCL, SMFQ, and PHQ-9 are optimal for population studies and longitudinal designs because they are easy to administer across multiple time points, standardized and validated, and comparable across populations and studies. In large cohort studies with thousands of participants (e.g., ABCD), it is logistically and financially infeasible to conduct clinical interviews with every child at every time point. Self-report measures also capture symptoms dimensionally, which can be beneficial to understanding early indicators of risk for psychopathology. In other words, most mental health harms exist on a continuum, and self-report measures can capture the full spectrum of symptoms and the relationship to subsequent diagnosis.

20. Therefore, while most research linking social media use to depression relies on symptom scales rather than formal diagnoses, a large body of validation research demonstrates that tools like the SMFQ and CBCL show strong correspondence with structured clinical interviews and can reliably capture clinically meaningful levels of depression. These instruments are widely used in developmental neuroscience and epidemiology as proxy measures for depression risk, especially in large samples where diagnostic interviews are not feasible.

21. Although most research to date has used self-report measures of mental health, some studies have shown that social media use is significantly associated with clinical diagnoses (using K-SADS DSM-5 past and current combined)<sup>19</sup>. In this study, social media use was related

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<sup>16</sup> Dutra, L., Campbell, L., & Westen, D. (2004). Quantifying clinical judgment in the assessment of adolescent psychopathology: Reliability, validity, and factor structure of the Child Behavior Checklist for clinician report. *Journal of Clinical Psychology*, 60(1), 65-85.

<sup>17</sup> Warnick, E. M., Bracken, M. B., & Kasl, S. (2008). Screening efficiency of the Child Behavior Checklist and Strengths and Difficulties Questionnaire: A systematic review. *Child and Adolescent Mental Health*, 13(3), 140-147.

<sup>18</sup> Richardson, L. P., McCauley, E., Grossman, D. C., McCarty, C. A., Richards, J., Russo, J. E., ... & Katon, W. (2010). Evaluation of the Patient Health Questionnaire-9 Item for detecting major depression among adolescents. *Pediatrics*, 126(6), 1117-1123.

<sup>19</sup> Roberston, L., Twenge, J. M., Joiner, T. E., & Cummins, K. (2022). Associations between screen time and internalizing disorder diagnoses among 9-to 10-year-olds. *Journal of affective disorders*, 311, 530-537

to depressive disorders among both boys and girls and with non-suicidal self-injury and suicidal ideation or attempt among boys.

### III. Self-report Measures are the Gold Standard for Assessing Psychological Experiences of Social Media.

22. Self-report measures remain the gold standard for assessing how adolescents experience and engage with social media, particularly when it comes to understanding problematic or unhealthy use. While researchers have expressed concern about the potential inaccuracy of self-reported screen time, it is important to distinguish between quantitative estimates of time and qualitative assessments of psychological experiences. Psychological experiences include feelings of emotional dependence, digital stress, among many others. These dimensions of use are fundamentally subjective and can only be meaningfully assessed by asking adolescents directly about their motivations, feelings, and perceived control over their behavior.

23. Defendants' experts frequently rely on the unsubstantiated argument that self-report measures are inherently flawed or invalid, dismissing entire bodies of research that rely on them. This critique is misleading. Self-report is a gold-standard method in psychology and psychiatry, particularly when measuring internal experiences such as mood, anxiety, and perception. Blanket rejection of self-report ignores its established role in science.

24. As an example, Galvan indicates (MDL report paragraph 37) "Another issue found in the fMRI studies is the use of self-reported data, which is problematic and notoriously unreliable (Lira et al., 2022)." There are a few issues with this statement. First, the Lira article<sup>20</sup> cited by Galvan suggests that self-report measures of self-regulation may depend, in part, on perceptions of peers. But nowhere does it say that self-report measures in fMRI or social media studies are notoriously unreliable. Second, Galvan uses self-report measures in her own research<sup>21,22,23</sup> (as do other defense experts in their fMRI work; e.g., Pfeifer<sup>24</sup> and Gotlib<sup>25</sup>) even though she opines that

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<sup>20</sup> Lira, B., O'Brien, J.M., Peña, P.A. et al. (2022). Large studies reveal how reference bias limits policy applications of self-report measures. *Scientific Reports*, 12, 19189. <https://doi.org/10.1038/s41598-022-23373-9>

<sup>21</sup> Baker, A. E., Tashjian, S. M., Goldenberg, D., & Galván, A. (2023). Sleep variability over a 2-week period is associated with restfulness and intrinsic limbic network connectivity in adolescents. *Sleep*, 46(2), zsac248

<sup>22</sup> Padgaonkar, N. T., Lawrence, K. E., Hernandez, L. M., Green, S. A., Galván, A., & Dapretto, M. (2020). Sex differences in internalizing symptoms and amygdala functional connectivity in neurotypical youth. *Developmental cognitive neuroscience*, 44, 100797

<sup>23</sup> Tashjian, S. M., Mullins, J. L., & Galván, A. (2019). Bedtime autonomy and cellphone use influence sleep duration in adolescents. *Journal of Adolescent Health*, 64(1), 124-130.

<sup>24</sup> Barendse, M., Kievit, R., & Pfeifer, J. (2024). Longitudinal, Bidirectional Associations Between Frontostriatal Connectivity and Depressive Symptoms in Adolescent Girls. *Biological Psychiatry*, 95(10), S59-S60

<sup>25</sup> Gotlib IH, Miller JG, Borchers LR, Coury SM, Costello LA, Garcia JM, Ho TC. Effects of the COVID-19 Pandemic on Mental Health and Brain Maturation in Adolescents: Implications for

such measures are “notoriously unreliable”. Moreover, Galvan testified under oath that she uses self-reports in her own fMRI work<sup>26</sup>

25. Kishida argues that (MDL report paragraph 12) “self-reports of “problematic media use” are not reliable measures of actual use (Parry et al., 2021; Satchell et al., 2021; Fournier et al., 2023).” Science recognizes that the context of social media use matters, in addition to the time spent on social media use. Problematic social media use is more than just time spent online, but rather about the maladaptive patterns of use and the ways in which social media interferes with important aspects of life. These behaviors can manifest even in users who spend moderate amounts of time on social media.

26. There is no objective sensor or digital trace that can capture the internal experience of compulsive use, emotional dependence, or peer-related stress online. App usage logs or screen time data may provide insights into patterns of engagement, but they cannot reveal whether a young person feels anxious when unable to check notifications, regrets how much time they spend online, or feels isolated by social comparison. Self-report measures offer essential access to these internal states. In fact, some recent studies have found that subjective experiences of problematic use are more predictive of negative outcomes (e.g., depression, suicidal thoughts and behaviors, sleep disruption, stress) than time-based metrics<sup>27</sup>. My own work has also shown that effects of self-reported problematic use on well-being are independent of time spent on social media<sup>28</sup>, underscoring the necessity to utilize self-report measures of the psychological experience of social media to fully capture and understand the effects of social media use on developmental harms.

27. Thus, self-reports remain the most valid and developmentally appropriate approach for capturing adolescents’ social media experiences: they allow us to assess the emotional, cognitive, and behavioral aspects of social media use that define it as problematic. Without these tools, we risk missing the most meaningful indicators of harm.

#### **IV. Studies with Small Sample Sizes Contribute Meaningfully to our Understanding**

28. Many Defendants’ experts dismiss studies showing harm by arguing that the small sample sizes in fMRI studies make the findings unreliable (Pfeifer, Kishida, Galvan). However, this claim is not supported by the scientific literature. Research, including statistical simulations, has shown that well-designed small-sample studies can yield valid and meaningful results, particularly when effects are consistent and theoretically grounded. This critique also discounts

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Analyzing Longitudinal Data. *Biol Psychiatry Glob Open Sci.* 2022 Dec 1;3(4):912–8. doi: 10.1016/j.bpsgos.2022.11.002. Epub ahead of print. PMID: 36471743; PMCID: PMC9713854.

<sup>26</sup> Adriana Galvan, JCCP deposition, July 15, 2025.

<sup>27</sup> Xiao Y, Meng Y, Brown TT, Keyes KM, Mann JJ (2025). Addictive Screen Use Trajectories and Suicidal Behaviors, Suicidal Ideation, and Mental Health in US Youths. *JAMA*.

<sup>28</sup> Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2024). U.S. Adolescents’ daily social media use and well-being: Exploring the role of addiction-like social media use. *Journal of Children and Media*, 1–19. <https://doi.org/10.1080/17482798.2024.2402272>.



that science advances not through isolated studies, but through the accumulation of evidence across many studies using different methods and samples. Small studies are often the first to identify emerging trends and contribute critically to our broader understanding of complex phenomena like adolescent brain development and social media exposure.

29. Although there have been some calls for large samples in fMRI datasets (Turner et al., 2018)<sup>29</sup>, fMRI research can yield reliable and meaningful results, even with small sample sizes, provided that certain methodological standards are met (Nee, 2019)<sup>30</sup>. These are detailed below.

30. First, reliability is significantly enhanced when there are enough within-person measurements. This means collecting multiple observations from the same individuals across different time points or sessions. While Turner et al. (2018) indicate samples of at least 100 are needed for replicability, this is based on short scan protocols (i.e., fewer within person measurements), which is not broadly generalized to the field, which tends to scan for longer (Nee, 2019). Indeed, when maximizing within-person measurements, many fewer participants are needed to ensure reliability (Nee, 2019). Given that within- and between-subject variability can differ substantially from study to study, making uniform recommendations for sample sizes in fMRI research is challenging. Nevertheless, when both sufficient within-person measurements and rigorous task designs are employed, studies with as few as 23 participants can achieve high levels of replicability<sup>31</sup>.

31. Second, the design of the task used in the fMRI study plays a critical role in determining the quality and replicability of the data. A well-designed task robustly engages the targeted cognitive or emotional processes while minimizing confounding influences. For instance, tasks with clear contrasts between experimental and control conditions allow for more precise isolation of specific neural mechanisms<sup>32,33</sup>. Including appropriate control conditions is essential to rule out alternative explanations, such as general sensorimotor or attentional activation, which might otherwise confound interpretation. Moreover, tasks that are behaviorally validated and yield consistent performance across participants help ensure that the neural data are meaningful and comparable, particularly when examining developmental changes<sup>34</sup>. Reduction in MRI scanner related variance, optimized acquisition parameters, as well as well-designed fMRI task paradigms

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<sup>29</sup> Turner, B. O., Paul, E. J., Miller, M. B., & Barbey, A. K. (2018). Small sample sizes reduce the replicability of task-based fMRI studies. *Communications biology*, 1(1), 62

<sup>30</sup> Nee, D. E. (2019). fMRI replicability depends upon sufficient individual-level data. *Communications Biology*, 2(1), 130.

<sup>31</sup> Nee, D. E. (2019). fMRI replicability depends upon sufficient individual-level data. *Communications Biology*, 2(1), 130.

<sup>32</sup> Poldrack, R. A., Mumford, J. A., & Nichols, T. E. (2024). *Handbook of functional MRI data analysis*. Cambridge University Press

<sup>33</sup> Huettel, S. A., Song, A. W., & McCarthy, G. (2014). *Functional Magnetic Resonance Imaging* (Vol. 3rd volume).

<sup>34</sup> Telzer, E. H., McCormick, E. M., Peters, S., Cosme, D., Pfeifer, J. H., & van Duijvenvoorde, A. C. (2018). Methodological considerations for developmental longitudinal fMRI research. *Developmental Cognitive Neuroscience*, 33, 149-160.

all help to improve the signal-to-noise ratio (SNR) and increase reliability in fMRI designs<sup>35</sup>. Given that task design differs substantially between studies, the reliability of the fMRI signal is task and contrast of interest specific, and can even differ across brain regions, making recommendations for sample sizes challenging. For instance, reliability in a sample of 104 adolescents ranges from poor to excellent depending on the brain region examined, and reliability in a sample of 12 youth ranges from poor to excellent depending on the brain region examined.<sup>36</sup>

32. Together, these insights underscore that while larger sample sizes are generally beneficial, the reliability of fMRI research does not hinge on sample size alone. Instead, it is the combination of repeated within-person measurements and thoughtfully designed tasks that lays the foundation for robust, replicable neuroscience.

33. In fact, Galvan uses small samples in her own fMRI work, underscoring that she finds this acceptable. In her report (paragraph 35), however, she writes “Methodologists who have analyzed the problems with underpowered studies recommend ~100 participants to ensure reliable results (Turner et al., 2018). Without sufficient statistical power there is a high likelihood of spurious results, particularly because there are significant individual differences in the human brain.”

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<sup>35</sup> Herting, M. M., Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C. (2018). Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies. *Developmental Cognitive Neuroscience*, 33, 17-26.

<sup>36</sup> Herting, M. M., Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C. (2018). Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies. *Developmental Cognitive Neuroscience*, 33, 17-26.

34. In the 2018 paper Galvan cites, it was indicated that studies with fewer than 100 participants are spurious and underpowered (but see my point above that this is not true), yet Galvan has continued to conduct research with small samples, some with as few as 37 participants:

- This 2022 fMRI study only includes 37 adolescents<sup>37</sup>
- This 2021 fMRI study only includes 40 adolescents<sup>38</sup>
- This 2021 fMRI study includes 61 adolescents<sup>39</sup>
- This 2020 fMRI study includes 46 adolescents<sup>40</sup>
- This 2020 fMRI study includes 57 young adults<sup>41</sup>

35. Galvan also writes (MDL report paragraph 35) “To make credible scientific assessments and assertions from those assessments, the data must include sufficient observations (i.e. study participants) that generalize to the general population and can be reproduced by other researchers. Many current brain imaging studies about social media do not meet these rigorous (and fundamental) criteria.” The articles examining social media that she cites as being uncredible due to their “inadequate study populations” (Galvan MDL report, paragraph 36) have larger sample sizes than her own studies listed above.

## **V. Defendants’ Experts Take an Inconsistent Analysis/methodological Approach in Reliance on Harms vs Benefits**

36. Defendants’ experts employ an inconsistent and biased methodological approach in their evaluation of harms versus benefits of social media. For instance, when considering potential harms, Galvan set an unattainably high bar for evidence, dismissing the existing body of peer-reviewed, longitudinal research. Yet, in contrast, Galvan’s discussion of benefits relies heavily on non-peer-reviewed sources, such as conference presentations, and descriptive surveys like those from Pew Research Center, without applying the same level of scrutiny (Galvan, Appendix C). Notably, Galvan cites no rigorous longitudinal studies to substantiate claims of benefits and ignores high-quality empirical studies that demonstrate clear associations between social media use and increased risk for depression, anxiety, and self-harm. This selective treatment of evidence, demanding unattainably high rigor for harm while accepting weak or preliminary

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<sup>37</sup> Uy, J. P., Dieffenbach, M., Leschak, C. J., Eisenberger, N. I., Fuligni, A. J., & Galván, A. (2022). Sleep duration moderates the associations between immune markers and corticolimbic function during stress in adolescents. *Neuropsychologia*, 176, 108374.

<sup>38</sup> Uy, J. P., Dieffenbach, M., Leschak, C. J., Eisenberger, N. I., Fuligni, A. J., & Galvan, A. (2021). Negative affect and sleep habits moderate associations between frontolimbic circuitry during stress and immune markers in adolescents. *Brain, Behavior, and Immunity*, 98, 50-51.

<sup>39</sup> Padgaonkar, N. T., Phuong Uy, J., DePasque, S., Galván, A., & Peris, T. S. (2021). Neural correlates of emotional reactivity and regulation in youth with and without anxiety. *Depression and anxiety*, 38(8), 804-815.

<sup>40</sup> Tashjian, S. M., & Galván, A. (2020). Neural recruitment related to threat perception differs as a function of adolescent sleep. *Developmental science*, 23(5), e12933.

<sup>41</sup> Tashjian, S. M., & Galván, A. (2020). Dorsolateral prefrontal cortex response to negative tweets relates to executive functioning. *Social Cognitive and Affective Neuroscience*, 15(7), 775-787.



findings for benefit, constitutes a methodological double standard and undermines the credibility of her conclusions. Moreover, under oath, Galvan indicates she considered no peer-reviewed publications showing harms of social media<sup>42</sup>, underscoring a highly biased and inconsistent consideration of the literature.

37. Defendants' experts also ignore or fail to consider many publications that support effects showing impact of social media on the brain. Galvan indicates (MDL Report, Paragraph 36) that "the studies with sufficient and appropriately sized cohorts have failed to find any effects". Yet, Galvan relies on one paper from the ABCD study (Miller et al., 2023) to make this claim but fails to acknowledge other publications from the ABCD study that found significant effects (Song et al., 2023; Nivens et al., 2024).

38. Miller et al., (2023)<sup>43</sup> tested how self-reported screen media activity at age 9-10 years related to resting state connectivity and did not find significant effects. However, Song et al., (2023)<sup>44</sup> used the ABCD dataset with nearly 12,000 participants and examined how self-reported screen media activity at age 9-10 years, 10-11 years, and 11-12 years related to resting state connectivity. Song et al., (2023) found that those reporting high screen media demonstrated worse mental health two years later as well as altered functional connectivity in the brain. As they indicate "Of more possible clinical concern, the DMN was found to be hyper-connected with the visual and dorsal attention networks in the higher-frequency SMA subgroup, which may be respectively related to low language functioning and difficulties in switching between internal and external stimuli. The greater connections between the salience network and ventral DC has been proposed to be involved in supersensitive reward responsiveness and motivational salience, which may potentially serve as neural substrates for frequent SMA. The cingulo-opercular network showed weaker within-network connections and hypo-connections to subcortical regions. As the cingulo-opercular network has been implicated in sustained top-down, goal-directed control processes, the weaker functional connection within it may reflect difficulties in executive control, working memory and task maintenance."

39. Nivins et al., 2024<sup>45</sup> tested how digital media was associated with differences in the structural brain. In over 6000 youth collected across 3 time points in the ABCD dataset, those who spent more time using social media showed a decrease in cerebellum volume over time. These associations persisted, even when factors such as preterm birth, lower birth weight, or those with ADHD diagnosis, were excluded, underscoring the robustness of the findings. These associations

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<sup>42</sup> Adriana Galvan, JCCP Deposition, July 15, 2025

<sup>43</sup> Miller, J., Mills, K. L., Vuorre, M., Orben, A., & Przybylski, A. K. (2023). Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study. *Cortex*, 169, 290-308.

<sup>44</sup> Song, K., Zhang, J. L., Zhou, N., Fu, Y., Zou, B., Xu, L. X., ... & Zhang, J. T. (2023). Youth screen media activity patterns and associations with behavioral developmental measures and resting-state brain functional connectivity. *Journal of the American Academy of Child & Adolescent Psychiatry*, 62(9), 1051-1063.

<sup>45</sup> Nivins, S., Sauce, B., Liebherr, M., Judd, N., & Klingberg, T. (2024). Long-term impact of digital media on brain development in children. *Scientific Reports*, 14(1), 13030.

also did not differ between the sexes. As the authors indicate “If the negative developmental trend for the cerebellum persists, it might be of significant concern, particularly considering that adolescence serves as the period when many psychiatric disorders have their onset. Moreover, consistent findings report an association between cerebellum abnormalities with various psychiatric disorders, such as depression and anxiety disorders. In addition, the cerebellum is a core component of the neural circuitry underpinning many cognitive deficits associated with ADHD, including working memory, response inhibition, attention shifting, and processing of rewards and temporal information.”

40. In addition to the ABCD studies, there are many others with large sample sizes that find reliable and meaningful links between social media use and brain development. Maza et al., (2023)<sup>46</sup> included 169 adolescents followed longitudinally over 3 years (for a total of 433 timepoints of data). Adolescents who engage in habitual social media behaviors demonstrated longitudinal increases in neural activation across networks of the brain involved in salience detection, motivational relevance, and executive functioning. Flannery et al., (2024) included 103 adolescents scanned longitudinally over 3 years (for a total of 256 timepoints of data) and identified early neural vulnerabilities in adolescents that predicted addiction-like social media. Archerberg et al., (2022)<sup>47</sup> included 187 adolescents followed longitudinally over 3 years. Adolescents who engaged in more compulsive social media showed higher baseline cortical thickness in lateral prefrontal cortex (PFC) and medial PFC, and greater longitudinal decreases in the lateral PFC and temporal parietal junction.

## VI. Design Features of the Social Media Platforms are Driving Causation

41. Defendants’ experts attempt to argue that the content is the cause of any harms (Galvan report; Kishida, Gotlib, Baiocchi) and completely disregard the large body of research that shows that it is not simply the content adolescents encounter on social media that predicts negative mental health outcomes, but rather the design features of the platforms themselves. Unlike traditional media, social media platforms are engineered in way that maximizes engagement through features such as infinite scroll, algorithmic content delivery, intermittent rewards (likes and notifications), and public performance metrics (follower counts, likes, comments)<sup>48</sup>. These design elements create an experience that mirrors behavioral addiction models, reinforcing repetitive checking behaviors and amplifying social comparison, fear of missing out (FOMO), and dependence on external validation.

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<sup>46</sup> Maza, M.T., Fox, K.A., Kwon, S., Flannery, J.E., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Association of Habitual Checking Behaviors on Social Media Relate to Longitudinal Functional Brain Development. *JAMA Pediatrics*, 177, 160-167. <https://doi.org/10.1001/jamapediatrics.2022.4924>

<sup>47</sup> Achterberg, M., Becht, A., van der Cruisen, R., van de Groep, I. H., Spaans, J. P., Klapwijk, E., & Crone, E. A. (2022). Longitudinal associations between social media use, mental well-being and structural brain development across adolescence. *Developmental cognitive neuroscience*, 54, 101088.

<sup>48</sup> Vidal, C., & Sussman, C. (2025). Problematic Social Media Use or Social Media Addiction in Pediatric Populations. *Pediatric Clinics*, 72(2), 291-304.

42. Below I outline some of the statements made by Defendants' experts that are unsubstantiated and disregard the research that shows features of social media are the cause of harm. As I describe in detail below and as cited in my original report, there are many empirical studies identifying the harms associated with many of the features of social media, including experimental studies that randomly assign participants to conditions with features of social media manipulated (e.g., beauty filters, likes)<sup>49,50</sup> allowing for strong causal conclusions to be drawn, as well as fMRI studies showing how social media features (e.g., likes, algorithms)<sup>51,52</sup> affect neural processing of content and mental health. Importantly, this research is largely agnostic to content, underscoring that it is not the content itself that is harmful, but the features attached to that content.

43. There need not be "content" for the brain to respond to an anticipated reward. As a clear example of this: fMRI research has shown that youth who engage in habitual social media use show enhanced activation in the reward center of the brain just when viewing a black screen with a white circle because that white circle is a learned cue associated with peer feedback. I will walk through this carefully to make it clear. In this study<sup>53</sup> adolescents came to the lab and were scanned using fMRI. Prior to the scan, they were trained that they would see some shapes (i.e., Cue) during the scan, and those shapes are associated with an outcome. A white circle indicates they could receive a reward (i.e., a peer smiling), a white triangle indicates they could receive a threat (i.e., peer scowling), and a white diamond indicates that the outcome is neutral (blurred peer face). After learning what each cue means, they complete the fMRI task (see Figure of task below).

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<sup>49</sup> Kleemans, M., Daalmans, S., Carbaat, I., & Anschütz, D. (2016). Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls. *Media Psychology*, 21(1), 93–110. <https://doi.org/10.1080/15213269.2016.1257392>

<sup>50</sup> Tiggemann, M., Hayden, S., Brown, Z., & Veldhuis, J. (2018). The effect of Instagram "likes" on women's social comparison and body dissatisfaction. *Body image*, 26, 90-97.

<sup>51</sup> [REDACTED] Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: Effects of peer influence on neural and behavioral responses to social media. *Psychological science*, 27(7), 1027-1035.

<sup>52</sup> Su, C., Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y. (2021). Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. *NeuroImage*, 237, 118136.

<sup>53</sup> Maza, M.T., Fox, K.A., Kwon, S., Flannery, J.E., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Association of Habitual Checking Behaviors on Social Media Relate to Longitudinal Functional Brain Development. *JAMA Pediatrics*, 177, 160-167. <https://doi.org/10.1001/jamapediatrics.2022.4924>



**Figure note.** Social Incentive Delay Task. The task is designed to measure neural sensitivity to anticipation (cue) and receipt (outcome) of social rewards (smiling face) and punishments (scowling face). Figure from.<sup>54</sup>

44. During the scan, participants see a Cue, and they must press their finger as fast as they can after seeing the target to receive positive peer feedback and avoid negative peer feedback. We can then measure brain activation right after they see the cue. Because it has been learned that the circle is associated with a reward, and a triangle is associated with a threat, we can examine what the brain does when it sees these shapes. There is no content—just literally a white shape on a black screen.

45. What we and others have found is that when adolescents see the white circle (compared to when they see the white diamond), they show robust activation across the reward network in the brain.<sup>55,56</sup> We have made this effect publicly available for anyone to explore<sup>57</sup>.

46. In other words, viewing a cue elicited robust reward related neural activation, because that white circle had been learned as a rewarding cue. What activates regions like the

<sup>54</sup> Flannery, J. S., Burnell, K., Kwon, S. J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive and Affective Neuroscience*, 19(1), 1-19.

<sup>55</sup> Telzer, E. H., Jorgensen, N. A., Prinstein, M. J., & Lindquist, K. A. (2021). Neurobiological sensitivity to social rewards and punishments moderates link between peer norms and adolescent risk taking. *Child Development*, 92(2), 731-745. <https://doi.org/10.1111/cdev.13466>

<sup>56</sup> Martins, D., Rademacher, L., Gabay, A. S., Taylor, R., Richey, J. A., Smith, D. V., ... & Paloyelis, Y. (2021). Mapping social reward and punishment processing in the human brain: A voxel-based meta-analysis of neuroimaging findings using the social incentive delay task. *Neuroscience & Biobehavioral Reviews*, 122, 1-17.

<sup>57</sup> <https://neurovault.org/collections/LXPKHSIX/> Neurovault is a public database where the statistical maps from studies can be posted and anyone can explore on Neurovault or even download and use for other purposes. The statistical maps uploaded at this link show brain activation among adolescents who completed the Social Incentive Delay Task. Across 136 adolescents, the statistical maps show robust activation in the ventral striatum for the main effect of the contrast reward vs. neutral anticipation, which represents brain activation after seeing the white circle relative to brain activation after seeing the white diamond.

ventral striatum is not just the post itself, but the learned association that the post may be positively reinforced through social feedback. In this way, the brain is largely agnostic to the content; it is the anticipation of reward and social validation that drives engagement. This distinction is crucial—platform design, not just what is being posted, is what makes social media so neurobiologically compelling.

47. Galvan claims the fMRI studies do not examine features of the platforms but focus on content. In her MDL Report (paragraph 30), Galvan indicates “I have also seen no studies that seek to evaluate whether the features of social media platforms could impact adolescent brain development notwithstanding the content viewed on the platform” and (paragraph 82) “As a general matter, many of the fMRI studies seek to evaluate activation in the reward center of the brain based on users’ specific interactions with content”. This is simply not true, as many studies have shown that specific features—regardless of the content—trigger neural mechanisms tied to reward processing and social conformity. As one example, there is evidence that design features like public quantification of popularity (likes, views, followers) heighten adolescents’ sensitivity to peers. [REDACTED] et al. (2016)<sup>58</sup> sought to specifically understand “how features unique to social media contribute to peer influence... For example, a feature of most social media tools is the ability to “Like” an image, text, or other piece of information, allowing for simple, straightforward measure of peers’ endorsement... Quantifiable Social Endorsement provides a unique research opportunity: while it is a form of interaction that occurs in the real world, it is simple enough to be experimentally manipulated.” During fMRI, [REDACTED] et al. presented adolescents with photos that were manipulated to have many likes, and this included images depicting risky behaviors. Adolescents were significantly more likely to “Like” the posts themselves if they saw that their peers liked it more.

48. Moreover, adolescents showed greater activation in the nucleus accumbens when viewing posts with more likes. It is important to underscore here that the content was the same, but what differed was whether there were more or less likes on the post. Because this was carefully experimentally manipulated, we can be confident that it is the design feature—the quantification of likes—that drove changes in adolescents’ behavior and neural processing in the nucleus accumbens.

49. This is further bolstered by a systematic review that used Preferred Reporting Items for Systematic Reviews and Meta-Analysis Protocols (PRISMA) to examine the “Effects of Social Feedback Through the “Like” Feature on Brain Activity”<sup>59</sup>. The review included 11 studies with 504 participants, and showed that positive feedback (“likes”) activates dopaminergic reward areas like the nucleus accumbens (NACC), vmPFC, and amygdala, with NACC correlating with increased SM use intensity.

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<sup>58</sup> [REDACTED], Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: Effects of peer influence on neural and behavioral responses to social media. *Psychological Science*, 27(7), 1027-1035.

<sup>59</sup> Does, A. R., Peixoto, M., Fernandes, C., Marques, A., & Barbosa, F. (2025, January). The Effects of Social Feedback Through the “Like” Feature on Brain Activity: A Systematic Review. In *Healthcare* (Vol. 13, No. 1, p. 89). MDPI.



50. As another example, there is also evidence that the brain processes social media based on the algorithmic features that determine how that content is delivered. In the Su et al. (2021)<sup>60</sup> study, participants showed significantly greater neural activation when viewing TikTok videos that were targeted to them by the algorithm compared to generic, non-targeted videos—even though both sets of videos came from the same platform and could feature similar content. The fact that brain regions involved in salience detection (amygdala, insula), social cognition (dmPFC, TPJ), executive control (dlPFC), and reward (striatum) were more active during algorithmically curated content suggests that it is the algorithm’s precision in selecting psychologically relevant stimuli that drives attention and engagement, not the content alone.

51. This supports the argument that social media algorithms shape how the brain responds by feeding users material that aligns with their emotional, social, and motivational states, reinforcing use through heightened neural activation. Thus, the brain is not responding merely to the intrinsic properties of a video, but to the way the algorithm selects and sequences that content, creating a tailored and neurobiologically engaging experience. These findings raise critical concerns about how algorithmic design features—not just the content itself—may amplify compulsive use and alter neurodevelopmental pathways, particularly in adolescents whose brains are highly sensitive to reward and social information.

52. In a longitudinal study of over 4,000 U.S. adolescents from the ABCD study, researchers found that addictive patterns of social media use (i.e., compulsive checking, difficulty disengaging, feeling upset without access) predicted higher risks of suicide-related outcomes one year later<sup>61</sup>. In contrast, the study found that the raw amount of time spent on social media was not a significant predictor of suicide-related outcomes when accounting for addictive use. Thus, it is not solely exposure time or the nature of the content, but rather how the design of platforms shapes behavioral patterns and psychological dependency, that matters most for adolescent well-being.

53. As I discussed in my letter to the editor to the New York Times<sup>62</sup>, it is the *addictive use* of social media that predicts whether adolescents develop suicidal thoughts:

54. “Emerging scientific evidence suggests that addictive social media use may be particularly harmful because of its effects on brain development. When teens see posts with many likes or algorithmically tailored feeds, it stimulates the brain’s reward systems. And teens who habitually check their social media show long-term changes in the brain’s reward and cognitive control systems. These systems are especially malleable during adolescence, and alterations in these brain systems predict the onset of social media addiction. This means social

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<sup>60</sup> Su, C., Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y. (2021). Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. *NeuroImage*, 237, 118136.

<sup>61</sup> Xiao Y, Meng Y, Brown TT, Keyes KM, Mann JJ (2025). Addictive Screen Use Trajectories and Suicidal Behaviors, Suicidal Ideation, and Mental Health in US Youths. *JAMA*.

<sup>62</sup> <https://www.nytimes.com/2025/07/04/opinion/manufacturing-jobs-labor.html?smid=nytcore-ios-share&referringSource=articleShare>

media isn't just occupying kids' time, but its addictive qualities are also potentially rewiring their brains during a vulnerable developmental window.”<sup>63</sup>

55. A host of empirical research has shown that ranking algorithms target those with poor body image. For instance, individuals with eating disorders are over 4,000% *more likely* to be fed videos that are appearance-oriented, featuring dieting and exercise, and showcase toxic eating behaviors, compared to those without an eating disorder.<sup>64</sup> Those recommendations mediate increased eating disordered symptoms via upward comparison behavior, underscoring that the design of the ranking algorithm contributes to eating disordered symptoms.<sup>65</sup> A scoping review of 50 studies across 17 countries confirms social media use is linked to body dissatisfaction and disordered eating—and that the algorithm's design is a key risk factor.<sup>66</sup>

56. As one final example, researchers from the Center for Countering Digital Hate studied the TikTok algorithm by creating 8 new social media accounts posing as thirteen-year-old girls in the United States, United Kingdom, Australia, and Canada.<sup>67</sup> Half of the new accounts used standard female usernames, and the other half included “loseweight” (indicating potential vulnerability around body image). The researchers recorded the first thirty minutes of content automatically recommended by TikTok to these accounts in their “For You” page. The study found that mental health and body-image content appeared every 39 seconds on average, suicide-related content was recommended within 2.6 minutes, eating disorder content appeared within 8 minutes, and vulnerable accounts were served twelve times more self-harm and suicide videos than standard accounts.

57. In her MDL Report, Galvan indicates (Paragraph 83) “Dr. Telzer discusses potential body image concerns related to social media use (Telzer, pp. 91-98). But Dr. Telzer's opinion appears to be that the vehicle through which body image concerns may occur through social media use is exposure to content.” Research on social media and body image provides some of the strongest evidence for causal links between specific platform features and negative outcomes in adolescence, particularly among girls. A body of experimental studies has shown that exposure to the effects of

<sup>63</sup> <https://www.nytimes.com/2025/07/04/opinion/manufacturing-jobs-labor.html?smid=nytcore-ios-share&referringSource=articleShare>

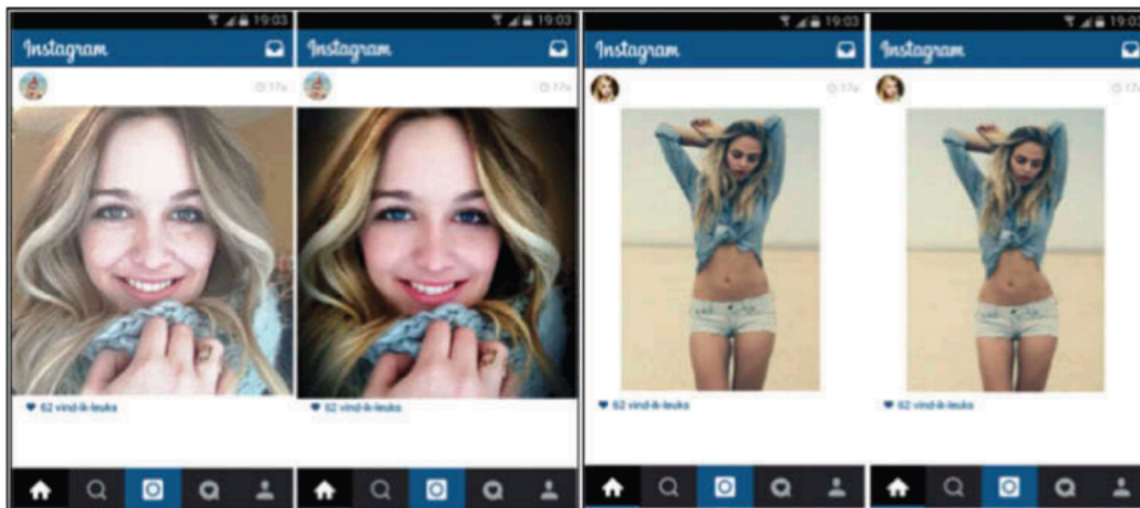
<sup>64</sup> Griffiths, S., Harris, E. A., Whitehead, G., Angelopoulos, F., Stone, B., Grey, W., & Dennis, S. (2024). Does TikTok contribute to eating disorders? A comparison of the TikTok algorithms belonging to individuals with eating disorders versus healthy controls. *Body Image*, 51, 101807. <https://doi.org/10.1016/j.bodyim.2024.101807>

<sup>65</sup> Dondzilo, L., Rodgers, R. F., & Dietel, F. A. (2024). Association between engagement with appearance and eating related TikTok content and eating disorder symptoms via recommended content and appearance comparisons. *International Journal of Eating Disorders*, 57(2), 458-462.

<sup>66</sup> Dane, A., & Bhatia, K. (2023). The social media diet: A scoping review to investigate the association between social media, body image and eating disorders amongst young people. *PLOS Global Public Health*, 3(3), e0001091.

<sup>67</sup> <https://counterhate.com/blog/tiktok-bombards-teens-with-self-harm-and-eating-disorder-content-within-minutes-of-joining-the-platform/>

beauty and cosmetic surgery image filters can directly harm body satisfaction and contribute to disordered eating behaviors. For example, Kleemans et al. (2018)<sup>68</sup> conducted a randomized experiment in which early-adolescent girls (aged 11–13) were randomly assigned to view either retouched Instagram photos or unedited images of peers (see Figure below).



**Figure 1.** Examples of original versus manipulated Instagram photos emphasizing face, skin, and hair (left), or body (right).

58. Girls who saw the retouched, filtered images reported significantly lower body satisfaction, even though they were aware the photos had been altered. This finding underscores that beauty filters can distort appearance norms and increase self-comparison, even in young users who understand that images are unrealistic. We can be confident in the causal implications of this study because it used an experimental design, randomly assigning participants to view either retouched or unretouched images. This method allows researchers to isolate the specific effect of beauty filters on body image, ruling out alternative explanations such as preexisting differences in body image or the unmanipulated content alone. The random assignment strengthens the internal validity of the study, providing clear evidence that exposure to filtered, idealized images directly causes decreases in body satisfaction—a finding that supports broader concerns about the impact of social media design features (here, filters that mimic the effects of cosmetic surgery) on adolescent mental health. This work is part of a larger, methodologically rigorous field showing that social media’s design architecture plays a causal role in shaping developmental outcomes.

59. Further providing evidence that design features amplify body dissatisfaction, Tiggemann et al. (2020)<sup>69</sup> used a randomized experimental design to examine how beauty filters

<sup>68</sup> Kleemans, M., Daalmans, S., Carbaat, I., & Anschütz, D. (2016). Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls. *Media Psychology*, 21(1), 93–110. <https://doi.org/10.1080/15213269.2016.1257392>

<sup>69</sup> Tiggemann, M., Hayden, S., Brown, Z., & Veldhuis, J. (2018). The effect of Instagram “likes” on women’s social comparison and body dissatisfaction. *Body image*, 26, 90-97.



and social endorsement (likes) on Instagram influence body satisfaction. 220 undergraduate women were randomly assigned to view either filtered or unfiltered images that had either high or low like counts. The results revealed that viewing filtered images led to lower body and lower face satisfaction. Results showed images with many likes increased facial dissatisfaction, especially among those invested in Instagram Likes. Although likes didn't impact general body dissatisfaction, they significantly affected facial self-perception, highlighting how visible popularity metrics drive harmful social comparison. This study demonstrates that the combination of features like cosmetic filters and likes on social media [which feed visual perfection and social validation] exerts a powerful influence on how young women evaluate their own appearance. This study provides causal evidence that it is not just the content hosted on social media, but the platform's features—filters and social metrics—that distort appearance norms and fuel harmful social comparison.

60. Importantly, the social media companies were well aware that design features, like beauty filters, cause extreme harms. [REDACTED], the Vice President of Product Design and responsible innovation at Facebook did extensive research on this, as discussed in her deposition.<sup>70</sup> Meta leadership was aware, based on reviewing the published peer reviewed articles<sup>71</sup> and their own consultation with experts around the world that “extreme cosmetic surgery effects<sup>72</sup> can have severe impacts on both the individuals using the effects and those viewing the images”<sup>73</sup> and that “children are particularly vulnerable.”<sup>74</sup> In a pre-read [REDACTED] prepared for Mark Zuckerberg, these known risks were clearly described. See Image of pre-read materials<sup>75</sup>:

To augment this review of research, we consulted 21 independent experts around the world. Here is a summary of our findings:

- These extreme cosmetic surgery effects can have severe impacts on both the individuals using the effects and those viewing the images.
- Children are particularly vulnerable, however many others are vulnerable as well: those with a history of mental health challenges, eating disorders, etc.
- Generally, stakeholders support making a distinction between effects achieved via makeup versus those that can only be achieved via cosmetic surgery, though no line will be perfect.

(Note: After the Policy Development Process in November, an additional round of outreach was done with 9 experts from APAC and MENA and these stakeholders reiterated the dangers these filters have in advancing unrealistic beauty standards and impacting mental health and body image and their feedback was consistent with prior stakeholder feedback.)

<sup>70</sup> [REDACTED], Deposition 10-21-24

<sup>71</sup> META3047MDL-014-00376297

<sup>72</sup> Cosmetic surgery effects are filters that are applied to images that change the appearance of the face/body in a way only cosmetic surgery could do (e.g., changing the shape of the face or body). These are also referred to as beauty filters.

<sup>73</sup> (WIT) [REDACTED], (Meta) - 10-21-2024\_Condensed.PDF page 90, lines 24-25

<sup>74</sup> (WIT) [REDACTED], (Meta) - 10-21-2024\_Condensed.PDF page 92, line 18

<sup>75</sup> META3047MDL-003-00179481

**Figure Note.** Excerpt from pre-read materials provided to Mark Zuckerberg by [REDACTED] the Vice President of product design and responsible innovation, META3047MDL-003-00179481.

61. Again, many of the defense experts argue that content is the source of the social rewards and not the design of the platform. Yet science recognizes that the brain responds to all kinds of stimuli, even a white circle if that white circle has a learned reward or threat to it. In fact, this is the basis of many addictive behaviors. Conditioned stimuli (e.g., particular sound or visual cue) can powerfully elicit reward-related or craving responses in the brain, even when these cues are not inherently rewarding themselves. Through associative learning, cues become linked with a primary reward (e.g., social interaction, or drug use), and over time, they come to trigger neural responses similar to those evoked by the reward itself. This process is a core principle of classical Pavlovian conditioning and is underpinned by activity in key brain regions involved in reward processing, particularly the mesolimbic dopamine system.<sup>76</sup>

62. Research using functional neuroimaging has shown that conditioned cues can activate areas such as the ventral striatum. For example, in addiction studies, drug-associated cues (e.g., the sound of a lighter flicking) reliably elicit strong neural responses and subjective craving, even in the absence of drug content<sup>77</sup>. Similarly, cues linked to social media (e.g., “likes” or notifications) can activate reward-related circuitry<sup>78</sup>, reinforcing digital engagement behaviors. Again, these cues activate the brain, even in the absence of social media content.

63. Importantly, these neural responses can occur even when the cue no longer leads to the expected reward, highlighting the brain’s sensitivity to learned associations. This has significant implications for understanding behavior, particularly in contexts like addiction and digital media use, where conditioned cues can sustain or trigger maladaptive patterns even in the absence of actual rewards.

64. Defense expert Allen argues that that the ephemerality of content on Snapchat is similar to in-person communications, has a number of positive effects, and does not contribute to Plaintiff’s Alleged Harms.

65. Ephemeral content encourages spontaneity, real-time sharing, and a sense of immediacy. Numerous empirical publications support the harms of ephemeral content on Snapchat

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<sup>76</sup> Tang, D. W., Fellows, L. K., Small, D. M., & Dagher, A. (2012). Food and drug cues activate similar brain regions: a meta-analysis of functional MRI studies. *Physiology & behavior*, 106(3), 317-324.

<sup>77</sup> Nawawi, N. A. A. M., Nasir, F., Abdullah, K. A., & Othman, E. (2024). Understanding drug craving: evidence from fMRI studies. *Neuroscience Research Notes*, 7(3), 294-1

<sup>78</sup> [REDACTED] Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: Effects of peer influence on neural and behavioral responses to social media. *Psychological science*, 27(7), 1027-1035.

and other social media platforms. Qualitative research has shown that Snapchat users report serious concerns, including the saving and dissemination of supposedly temporary images, cyberbullying, and pressure to share sensitive or sexual content. Because photos and videos on Snapchat disappear after a brief time, young adults have shared that some users exploit this perceived impermanence to engage in sexting.<sup>79</sup> As described by van Essen and colleagues<sup>80</sup>, this ephemerality fosters a false sense of security, leading users to post more compromising or impulsive content than they would on permanent platforms. This increases the likelihood of images being captured and shared beyond their intended audience, with potentially devastating long-term social and psychological consequences for adolescents. Moreover, van Essen's work and related literature note that the disappearing nature of images makes ephemeral platforms particularly appealing to perpetrators of online grooming. Snapchat has been used in numerous documented cases of child sexual abuse as a medium for predators to gain access to victims and coerce them into sending explicit content, often under the mistaken belief that the content cannot be saved or traced. These features not only expose young users to serious safety risks but also contribute to heightened anxiety around social reputation, consent violations, and emotional distress. Other qualitative and quantitative research on Snapchat indicate its use is detrimental for users' mental health and romantic relationships.<sup>81</sup>

66. In addition, Snapchat's streak feature—where users maintain a continuous exchange of snaps with friends on a daily basis—exerts a compulsive pull on adolescents. Rather than fostering healthy social connections, features like streaks gamify social interaction in ways that prioritize quantity over quality and perpetuate digital habits that can be detrimental to adolescent mental health and development. Indeed, adolescents who maintain more Snapchat streaks show an increase in problematic smartphone use and are also more likely to have lower self-control<sup>82</sup>. Internal documents from Snapchat indicate an awareness of the anxiety snapstreaks create.<sup>83</sup> Together, ephemeral content and streak-based engagement on platforms like Snapchat represent significant, empirically grounded concerns for youth well-being.

67. Taken together, these findings suggest that the features of social media platforms—including how content is delivered, how popularity is quantified, and how user behavior is reinforced—plays a causal role in shaping adolescent mental health outcomes. Platforms are

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<sup>79</sup> Vaterlaus, J. M., Barnett, K., Roche, C., & Young, J. A. (2016). "Snapchat is more personal": An exploratory study on Snapchat behaviors and young adult interpersonal relationships. *Computers in human behavior*, 62, 594-601. <http://dx.doi.org/10.1016/j.chb.2016.04.029>

<sup>80</sup> van Essen, C. M., & Van Ouytsel, J. (2023). Snapchat streaks—How are these forms of gamified interactions associated with problematic smartphone use and fear of missing out among early adolescents?. *Telematics and Informatics Reports*, 11, 100087

<sup>81</sup> Dunn, T. R., & Langlais, M. R. (2020). "Oh, Snap!": A Mixed-Methods Approach to Analyzing the Dark Side of Snapchat. *The Journal of Social Media in Society*, 9(2), 69-104.

<sup>82</sup> van Essen, C. M., & Van Ouytsel, J. (2023). Snapchat streaks—How are these forms of gamified interactions associated with problematic smartphone use and fear of missing out among early adolescents?. *Telematics and Informatics Reports*, 11, 100087

<sup>83</sup> SNAP0892766, SNAP1152337

designed to exploit developmental sensitivities, particularly in the realms of social reward, identity development, and self-regulation.<sup>84</sup>

## **VII. Effects are due to Social Media and not Just General Teen Experiences.**

68. Defendants' experts make the claim that the harms experienced are not due to social media but every facet of the adolescent social experience (Galvan). While it is true that adolescence has always been a time of heightened sensitivity to peers and social status, social media has totally transformed adolescents' expectant and normative drive for social rewards to a level that is unhealthy. What is fundamentally different now is the medium through which these dynamics unfold. Social media hasn't just mirrored adolescent behavior; it has amplified, accelerated, and commercialized it in ways never before possible:

69. 24/7 Peer Exposure: In the past, social dynamics paused after school. The social environment gave them natural breaks from peers. Today, social media platforms keep adolescents constantly connected, with no off switch. There is no break from peer judgment, comparison, or the pressure to respond.

70. Quantified Popularity and Status: Social status used to be inferred from interactions and reputations. Now it's reduced to likes, follows, and views. Adolescents are trained to chase metrics, not relationships.

71. Algorithmic Amplification: Social media doesn't passively host teen behavior — it actively shapes it via targeted amplification. The platforms' algorithm design exploits adolescents' vulnerabilities to maximize engagement.

72. Filters: Social media enables and rewards idealized self-presentation and endless upward social comparison. Adolescents aren't just seeing peers, they're seeing filtered, optimized versions of them, triggering anxiety, insecurity, and self-doubt.

73. Commercialization of Adolescence: Social media turns teen identity into data. Their clicks, fears, and insecurities are monetized by companies targeting them with ads, influencers, and content designed to manipulate their attention and behavior.

74. So yes, adolescents have always been sensitive. But social media has redefined this. It exploits that sensitivity at scale, with relentless exposure, public judgment, and algorithms that have never existed in human development before. This is not just a new setting, it's a structural transformation of adolescence.

## **VIII. YouTube Is a Social Media Platform, with Similar Features to Snapchat, Instagram/Facebook, and TikTok**

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<sup>84</sup> META3047MDL-003-00191208 What Makes Teens Tick

75. Defendant's expert Pfeifer appears to argue that YouTube may not be social media, differs from other social media platforms by design, and has several non-social uses functions. (Pfeifer MDL Report page 7-9). Although YouTube is sometimes categorized as a video platform or entertainment site, it meets the widely accepted definition of social media: platforms that allow users to create, share, and interact with user-generated content and engage in social networking (Kaplan & Haenlein, 2010). In fact, YouTube shares all the hallmark features of social media found on Instagram, Snapchat, and TikTok, including:

- User-generated content (videos, comments, community posts)
- Algorithmic feeds and personalized recommendations
- Public metrics (likes, comments, views, subscribers)
- Asynchronous interaction (comments, shares)
- Creator–follower dynamics, similar to influencers on Instagram or TikTok
- Short-form, vertical video formats (YouTube Shorts) that mirror TikTok and Instagram Reels
- Direct messaging and community posts, similar to Instagram's DMs or Snapchat

76. Thus, YouTube functions not just as a content consumption site, but as a social media platform that promotes interaction, comparison, and social feedback—all of which are central to how social media shapes mental health and behavior.

77. Moreover, The American Psychological Association (APA, 2024)<sup>85</sup> includes YouTube in its list of platforms when discussing youth mental health and social media use, noting that its features—like comments, algorithmic feeds, and audience feedback—create similar risks and opportunities as other platforms. The American Academy of Pediatrics<sup>86</sup> includes YouTube in its definition of social media and similarly discusses the features of social media across these platforms. The Pew Research Center<sup>87</sup> changed its wording to include YouTube “It is important to note there were some changes in question wording between Pew Research Center's 2014-2015 and 2018 surveys of teen social media use. YouTube and Reddit were not included as options in the 2014-2015 survey but were included in the current survey.” In their 2018 report, YouTube is the most used social media platform, even ahead of Instagram or Snapchat, emphasizing its social role among youth.

## **IX. Social Media Addiction Is Recognized in the Broader Literature and by the American Psychological Association and the American Psychiatric Association**

78. Defendants' experts deny that social media addiction is recognized in the literature and by the American Psychiatric Association (e.g., Galvan, Kishida, Gotlib). While social media

<sup>85</sup> <https://www.apa.org/monitor/2024/04/teen-social-use-mental-health>

<sup>86</sup> <https://www.aap.org/en/patient-care/media-and-children/center-of-excellence-on-social-media-and-youth-mental-health/qa-portal/qa-portal-library/qa-portal-library-questions/what-is-social-media/>

<sup>87</sup> Anderson, M., & Jiang, J. (2018). Teens, Social Media & Technology. Pew Research Center. <https://www.pewresearch.org/internet/2018/05/31/teens-social-media-technology-2018/>



addiction is not yet formally recognized as a distinct diagnosis in the DSM, it is increasingly acknowledged in the broader scientific literature and by leading professional organizations as a significant behavioral health concern. A growing body of empirical research has documented compulsive, dysregulated patterns of social media use—characterized by preoccupation, withdrawal, tolerance, and interference with daily functioning—that closely parallel established criteria for behavioral addictions<sup>88</sup>. Importantly, the American Psychological Association (APA) has recognized problematic social media use as a mental health risk, particularly among adolescents, and has issued health advisories urging clinicians, educators, and caregivers to monitor and address its potential harms<sup>89</sup>. Further, the American Psychiatric Association created a video for the public on social media addiction, clearly demonstrating that they recognize social media addiction in adolescents.<sup>90</sup> Internationally, frameworks such as the World Health Organization’s recognition of gaming disorder in the International Classification of Disorders-11<sup>91</sup> further underscore the legitimacy of digital addictions as emerging clinical phenomena. The absence of a DSM diagnosis should not be interpreted as a lack of scientific consensus but rather as a reflection of the evolving nature of the field and the cautious deliberation involved in establishing formal diagnostic criteria.

## **X. Reward Sensitivity as a Risk**

79. Defendants’ experts highlight the potential adaptive functions of heightened reward sensitivity (e.g., Pfeifer at 76) and imply this is at odds with my report underscoring the vulnerabilities. Adolescents show strong sensitivity to rewards, and the literature (prior to 2016) centered on this being a vulnerability. As I argue in my original report (and in my own publications<sup>92</sup>), heightened reward sensitivity (and even risk taking) is evolutionarily adaptive. This heightened responsiveness to rewarding stimuli is thought to have evolved to encourage exploration, novelty seeking, and social learning during a critical period of brain and behavioral maturation. By being more attuned to potential rewards in their environment, adolescents are biologically primed to engage with new experiences, take initiative, and acquire the competencies necessary to become autonomous, skilled, and socially integrated adults.

80. However, the same neural systems that support this adaptive drive can also introduce vulnerabilities, particularly in modern environments. Unlike in ancestral settings, where reward-seeking behaviors were more likely to lead to survival-enhancing skills and knowledge, today’s adolescents are often exposed to artificial and immediate forms of rewards that can exploit

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<sup>88</sup> Vidal, C., & Sussman, C. (2025). Problematic Social Media Use or Social Media Addiction in Pediatric Populations. *Pediatric Clinics*, 72(2), 291-304.

<sup>89</sup> <https://www.apa.org/topics/social-media-internet/health-advisory-adolescent-social-media-use>

<sup>90</sup> <https://www.youtube.com/watch?v=ReMu7IkQecA>

<sup>91</sup> <https://www.who.int/news-room/questions-and-answers/item/addictive-behaviours-gaming-disorder>

<sup>92</sup> Telzer, E. H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience*, 17(C), 57-67. <https://doi.org/10.1016/j.dcn.2015.10.010>

this heightened reward sensitivity. In such contexts, the adolescent reward system may become a liability, leading to compulsive behaviors.

81. At the same time, it is important to recognize that reward sensitivity is not inherently maladaptive; it can be highly beneficial depending on the context in which it is activated. For example, in the context of intrinsic motivation and goal-directed behavior, reward system activation can fuel persistence, engagement, and sustained cognitive effort. As I discussed in my 2016 paper published in *Developmental Cognitive Neuroscience*<sup>93</sup>, when adolescents are internally motivated to achieve meaningful goals, the neural mechanisms underlying reward processing can enhance learning and performance by reinforcing effortful behavior and promoting resilience in the face of setbacks. And as I showed in my 2016 *Proceedings of National Academy of Sciences* publication<sup>94</sup>, heightened ventral striatum activation in a risky context predicts increases in depressive symptoms, whereas heightened ventral striatum activation in prosocial contexts predicts declines in depressive symptoms. This duality underscores the importance of shaping environments that channel adolescents' reward sensitivity toward developmentally constructive outcomes. Social media contexts are not built to be developmentally sensitive or optimize healthy development. In fact, social media companies are aware of adolescents' heightened reward sensitivity and how this can be exploited by the platforms (see screenshot from Meta Presentation below)<sup>95</sup>. Therefore, as discussed in my original report, heightened reward sensitivity in a social media context is a vulnerability. Despite the clear importance of this, few Defense experts seriously considered Meta's own research or internal documents. Indeed, some of Defendants' experts indicated under oath that they did not look at any internal documents (e.g., Galvan JCCP deposition, Pfeifer JCCP deposition, Kishida JCCP deposition)<sup>96</sup>.

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<sup>93</sup> Telzer, E. H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience*, 17(C), 57-67. <https://doi.org/10.1016/j.dcn.2015.10.010>

<sup>94</sup> Telzer, E. H., Fuligni, A. J., Lieberman, M. D., & Galván, A. (2014). Neural sensitivity to eudaimonic and hedonic rewards differentially predict adolescent depressive symptoms over time. *Proceedings of the National Academy of Sciences – PNAS*, 111(18), 6600-6605. <https://doi.org/10.1073/pnas.1323014111>

<sup>95</sup> META3047MDL-003-00191208 What Makes Teens Tick

<sup>96</sup> Jennifer Pfeifer JCCP Deposition, June 26, 2025; Adriana Galvan JCCP Deposition, July 15, 2025; Kenneth Kishida Deposition, July 2, 2025.

## Reward

Lastly a huge driver for teen behavior is the prospect of reward. This is what makes them predisposed to impulse, peer pressure, and potentially harmful risky behavior like drugs, stunts and pranks.

**Teen brains are much more sensitive to dopamine**, one of the reasons that the risk of drug addiction is higher for adolescents and it's the same thing that keeps them scrolling and scrolling. Due to the immature brain, **they have a much harder time stopping** even though they want to -- our own product foundation research has shown **teens are unhappy with the amount of time they spend on our app**.

And sadly, a **short term reward and inexperience makes teens prone to risky behavior** and there are plenty that present themselves online and on Instagram. This could be engaging with predators, consuming dark content, sharing nude photos or copycat self-harm.

**Figure Note.** Presentation from Meta “What Makes Teens Tick”

82. Defense expert Galvan testified under oath that social media is a social reward<sup>97</sup>, and also has presented and published extensively that social rewards activate the dopamine system in the brain.

## XI. Defendants’ Experts Misinterpret and Misrepresent fMRI Data and Results

83. Defense expert Pfeifer suggests that the foundational fMRI work from the early 2000s has been discredited. In her MDL report (page 21), Pfeifer indicates that “Plaintiffs’ expert reports cite outdated research from the early 2000s (when these theories were popular), as evidence for their claim that adolescent brains are uniquely susceptible to social media.” The early seminal neuroscience studies on child and adolescent brain development—most notably the longitudinal work by Gogtay et al. (2004)—laid the essential groundwork for our current understanding of the dynamic maturation of the brain. This research was among the first to use high-resolution, longitudinal structural MRI to map how gray matter develops across childhood and adolescence. Far from being discredited, this foundational work continues to be cited widely and remains a cornerstone in the field of developmental neuroscience. To suggest otherwise is to dismiss the critical role these early studies played in shifting the field from static, age-based comparisons to a more nuanced, trajectory-focused understanding of brain maturation. While methods and models have advanced, the contributions of Gogtay and colleagues, as well as other seminal models, remain important, forming the empirical and conceptual scaffolding upon which subsequent research has been built.

<sup>97</sup> Adriana Galvan JCCP Deposition, July 15, 2025



84. Pfeifer goes on to say that “Furthermore, it is a recognized phenomenon that presenting readers with pictures of brain scans can “appeal[] to people’s affinity for reductionistic explanations of cognitive phenomena,” enhancing the perceived believability of scientific arguments based on alleged brain mechanisms, regardless of the merit or validity of those claims. McCabe & Castel (2008) at 343”. The claim that neuroscience research, particularly studies using brain images, simply appeals to people’s reductionistic biases misrepresents the intent and value of neuroimaging in developmental science. The use of brain images in the Plaintiff’s reports is not about persuading audiences with flashy visuals or unearned credibility; rather, it is a critical methodological advance that enables researchers to uncover how and why developmental changes occur at the neural level. In adolescence—a period of profound brain reorganization second only to infancy—neuroimaging has revealed foundational insights into the structural and functional maturation of brain regions involved in decision-making, emotion regulation, and social cognition. These findings have deepened our understanding of adolescent vulnerability and resilience, particularly in relation to modern environmental exposures such as social media. Far from lacking validity, this work is demonstrating how digital environments and the developing brain are co-evolving, with real implications for mental health, attention, and identity formation. Dismissing these contributions as reductionistic ignores the rigor, replicability, and conceptual importance of the neuroscience literature in shaping our understanding of youth development.

85. Defendants’ experts grossly misrepresent fMRI data and results throughout their reports. For example, Galvan and Kishida review a handful of studies examining the associations between social media use and neurobiological processing and discuss some limitations of each. While individual studies on social media and adolescent brain development may have methodological limitations—such as small sample sizes, reliance on self-reported media use, or cross-sectional designs—these limitations are widely acknowledged by the authors themselves and are common in emerging areas of science. Importantly, the value of this body of research lies not in any single paper, but in the convergence of findings across multiple independent studies, each of which contributes a unique piece to a larger foundation of work. Taken in isolation, each study has caveats. But when considered together, they offer a consistent pattern of results showing that social media use, especially when compulsive or emotionally laden, is associated with measurable changes in neural development, particularly in brain regions involved in reward processing, social cognition, and attention. This triangulation of evidence across diverse methods, samples, and research teams strengthens confidence in the emerging consensus.

86. In addition to pointing out some minor limitations of the fMRI studies, defendants’ experts make some overarching incorrect claims, appearing to misunderstand the methods used and the results found across several of the papers. These mischaracterizations of the fMRI studies, as well as complete misunderstanding of the brain results, calls into question their overall credibility for opining on this topic.

87. I detail some of the more egregious mistakes below.

88. Throughout his report, Kishida grossly misrepresents fMRI data, indicating that my interpretation of the figures is at odds with the statistical results that are shown. In fact, Kishida’s

own interpretation is completely wrong, and he does not appear to know how to interpret the results of fMRI data, calling into question his ability to understand fMRI.

89. As an example, Kishida (paragraph 110)<sup>98</sup> attempts to discredit the way I describe a seminal study in my report. He indicates “The graph’s vertical axis is mis-labeled ‘MPFC Activation’ that ranges from a negative number (-1.6, at the bottom of the axis) and peaks around zero. This axis, based on the methods described in (Somerville et al., 2013) is not ‘MPFC activation’ or any kind of ‘brain activation’ value but instead a statistically derived parameter value from a statistical analysis utilizing generalized linear models. Further, *most of the data points are negative (at the youngest age) and appear to remain slightly negative or zero in the older ages.* Dr. Telzer’s interpretation is that ‘heightened social sensitivity’ is reflected by the ‘increased activation’ in the MPFC activation plot as the participant ages increase into adolescence. But this does not correspond with the results themselves, which show, instead, a strong negative correlation (-1.6 statistic value) at the youngest age that diminishes (goes to zero) into older adolescence. The maximum deviation from zero, and therefore ‘maximum sensitivity,’ starts at the youngest age and this so-called ‘embarrassment response’ reduces as the participants’ ages increase into adolescence. This means that the sensitivity to ‘embarrassment’ would be showing the exact opposite effect of Dr. Telzer’s interpretation.”

90. There are many mistakes with Kishida’s statements here. First, the vertical axis does not represent any kind of “strong correlation” as Kishida indicates. This figure is taken from Somerville et al., 2013<sup>99</sup> (and described in detail in Somerville 2013<sup>100</sup>). As written by the authors in Somerville et al., 2013 “The statistical map identified functional activity showing heightened engagement of the medial prefrontal cortex (MPFC) through adolescence (relative to childhood) that persists into adulthood. The image threshold was  $p < .05$ , corrected for acquisition space. The scatter plot (b) shows MPFC responses in the evaluation and anticipation conditions (collapsed) as a function of participants’ age, for descriptive purposes. The solid fit line was derived from the adolescent-emergent predictor and the dashed line was derived from the adolescent-specific predictor.” In other words, the vertical axis represents MPFC response (i.e., activation) and not a correlation as Dr. Kishida describes. Under oath in his deposition<sup>101</sup>, Dr. Kishida described this figure entirely differently than in the Rebuttal report, indicating that the y-axis is showing beta weights from a contrast, and not a strong correlation.

91. Moreover, as written by the authors in Somerville et al., 2013 “The estimated age of peak in MPFC activity was 15.25 years” ... “We observed that behavioral shifts in adolescent social sensitivity were accompanied by nonlinear changes in MPFC response magnitude and selective MPFC-striatum connectivity, which were significantly higher in adolescents (relative to

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<sup>98</sup> Kishida MDL Report

<sup>99</sup> Somerville, L. H., Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J. (2013). The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence. *Psychological science*, 24(8), 1554-1562.

<sup>100</sup> Somerville, L. H. (2013). The teenage brain: Sensitivity to social evaluation. *Current directions in psychological science*, 22(2), 121-127.

<sup>101</sup> Kenneth Kishida JCCP Deposition, July 2, 2025.

children) and slightly lower in early adulthood (relative to adolescence).” In other words, the authors’ description of the findings is identical to that which I explained in my original report—that individuals show heightened activation in the MPFC, peaking in adolescence, and is not “showing the exact opposite effect of Dr. Telzer’s interpretation” (Dr. Kishida, rebuttal report, paragraph 110). Under oath at his deposition, Kishida admits that my interpretation of the result is consistent with what was stated by the authors.<sup>102</sup>

92. Other defense experts—e.g., Galvan—use Somerville’s 2013 paper, as I do, to also make the argument that adolescents are sensitive to peers. This paper is highly cited and well regarded by the field, and my original interpretation of the paper is correct and corresponds to how the other Defense experts (e.g., Galvan) interpret the results. Galvan writes in her report “early adolescents exhibit increasing sensitivity to social information (LaFontana and Cillessen, 2010; Rankin et al., 2004; Somerville et al., 2013).” Why Kishida would suggest the results are showing the exact opposite effect that the authors describe suggests he does not understand statistical models in fMRI analysis and does not have the expertise to opine on fMRI.

93. Kishida also implies that much of the reported fMRI work in my report is not standard acceptable practice. Again, he is misrepresenting the field. For instance, Kishida writes (MDL, page 39-40) “None of the images show ‘brain activation;’ rather all of these and others show what is called a ‘statistical parametric map,’ which is a *statistical value* shown pseudo-colored and overlaid on a standardized brain image. In many of these figures, and others, the axes are unlabeled, or the meaning of the color-map is not shown. This is not standard acceptable practice, since the meaning of these images is not interpretable independent of the color key or labeled axes.”

94. Kishida seems to take issue with referring to the statistical maps in my original report as “brain activation”. Across many of his points, he points out that the figures do not represent actual demonstrated activity. In functional MRI (fMRI) research, parameter estimates and statistical maps of brain activity are widely regarded as the gold standard for representing patterns of neural activation. While fMRI does not directly measure neuronal firing, it provides an indirect but reliable index of neural activity by capturing changes in blood oxygenation signal (commonly referred to as the BOLD (blood-oxygen-level-dependent)). When neurons become active, they consume more oxygen, which triggers a localized increase in blood flow to the active brain region. fMRI detects these changes in blood flow and oxygenation, allowing researchers to infer which areas of the brain are engaged during specific cognitive, emotional, or behavioral tasks.

95. Parameter estimates generated from fMRI analyses quantify the strength of this neural activation in relation to specific experimental conditions. Statistical maps, in turn, visually depict the spatial distribution and significance of brain activation across the entire brain, enabling the identification of networks and regions involved in processing particular stimuli or performing certain functions.

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<sup>102</sup> Kenneth Kishida JCCP Deposition, July 2, 2025.

96. Referring to the brain maps and extracted parameter estimates as “neural activation” is standard practice in the field. While the color map was not provided for all the brain activation figures in my original report, that is not necessary to the report or to the interpretations of the figures shown. The report describes a large body of research and includes examples and descriptions of results from peer-reviewed publications. All the brain images are from published studies. All have been peer reviewed. All of the statistics are reported in the original publications. All the figures shown use standard and accepted practices for conducting fMRI analyses.

97. Kishida makes other remarks mischaracterizing fMRI findings. In his MDL Report, paragraph 108, he indicates “It is my opinion that this is a highly deceptive figure. The image on the left is not ‘Activation in the ventral tegmental area’ as Dr. Telzer has stated in her report (Eva Telzer, 2025, p. 84). The Figure legend in the original manuscript clearly states that this is a ‘mask of VTA overlapped on the MNI template’ (Su et al., 2021, p. 6). This means the authors colored in the red voxels shown (which ‘show activation’) in the picture and are showing it simply to state where they think the VTA is located. The histogram to the right is said to be ‘activity’ from the VTA (the location shown by the red voxels to the left). Issues with this include: 1) the histogram shows statistical parameter estimates, not actual demonstrated activity; and 2) due to major technical limitations when using fMRI to measure BOLD responses in the VTA, the plotted values are likely not real.”

98. There is nothing deceptive about this figure and suggesting such is misleading. In my original report, I included the figure on the left to show the VTA – the purpose of that figure was to show the area of the brain the researchers were focusing on. The use of the word “activation” is not incorrect in any way, as the researchers were examining neural activation in the VTA mask. This is a common and well-regarded method for conducting fMRI analyses when one has a strong a priori hypothesis. Rather than doing a search in the whole brain, the researchers defined a specific small region based on prior literature and focused their analyses on the VTA. This is called a region of interest (ROI) analysis.

99. ROI analysis focuses on predefined areas that are theoretically or empirically linked to the cognitive or affective processes under investigation. This targeted approach offers several key advantages. First, it enhances statistical sensitivity by reducing the number of comparisons, allowing researchers to detect subtle effects that might be missed in whole-brain analyses. Second, ROI analysis is grounded in existing literature and anatomical or functional brain atlases, which provides a strong rationale for interpreting findings and linking them to prior knowledge. Third, it enables researchers to extract and quantify activation from specific brain regions, facilitating comparisons across groups, conditions, or time points in a highly controlled manner. ROI methods are widely considered a methodologically sound and theory-driven approach.

100. The original figure included in my report showed the ROI that was used by the authors. The authors extracted parameter estimates of signal intensity (i.e., neural activation) from the VTA ROI and examined differences in activation across the conditions of interest. This is a highly rigorous and widely accepted method. There is nothing biased or wrong about this method or how it was presented, and Kishida’s implication of such is misleading and mischaracterizes peer-reviewed research.

101. Below I detail other mistakes the Defendants' experts made in interpreting specific fMRI studies:

**A. Maza et al 2023<sup>103</sup>**

102. Dr. Galvan makes many inaccurate claims in discussing this paper. First, Galvan states "This study did not measure dopamine nor was there activation in dopamine-rich regions such as the striatum. In fact, the lack of engagement of reward regions seen in the study calls into question how 'socially rewarding' this task actually was to participants. It calls into question broader assumptions about the 'addictive' nature of social media, particularly for the purported habitual checkers in this study. One common thread among addictive substances is that they elicit robust engagement of the dopamine system and reward-sensitive regions in the brain—not eliciting activation in these regions to social media, which is hypothesized to be addictive by some, renders the addiction to social media theory less credible." (Galvan MDL Report, Appendix D)

103. Galvan is wrong in stating this. It does not appear she read the paper or interpreted the findings correctly. This study did in fact find activation in dopamine-rich regions, including the striatum. The table from the manuscript (pasted below, 3rd line) very clearly shows the ventral striatum, the key reward region Galvan indicates must be shown to suggest the key mechanism of reward is at play.

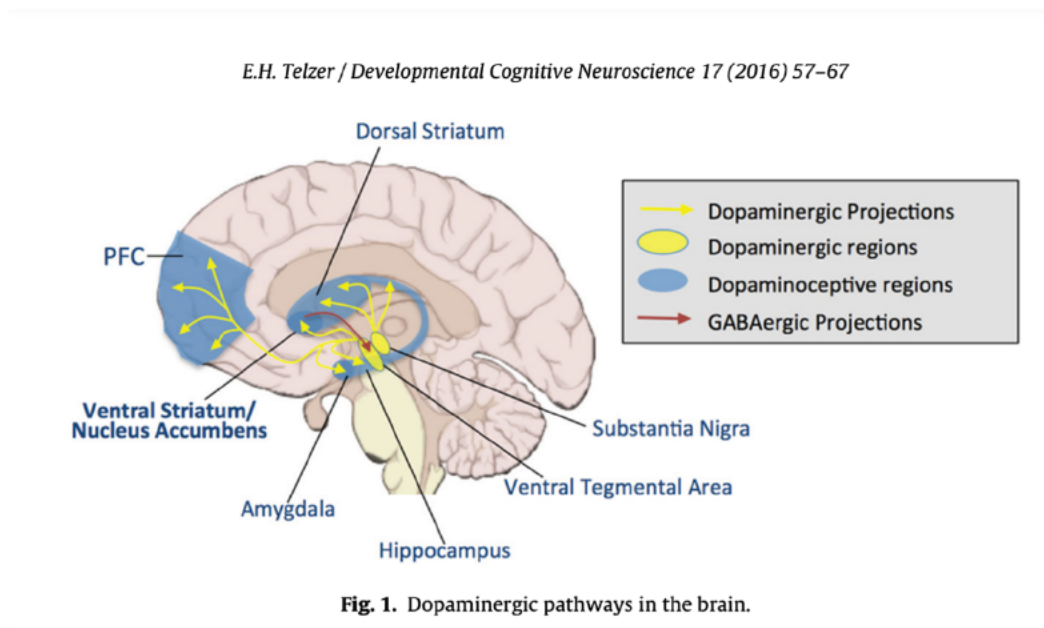
**Table. Age-Related Neural Changes as a Function of Social Media Checking During Anticipation of Social Feedback**

Anatomical region	MNI coordinates <sup>a</sup>			t statistic	Cluster size, voxels <sup>b</sup>
	x	y	z		
Posterior insula	34	6	-4	46.1	2038
Left amygdala	-26	-2	-12	46.1	2038
Ventral striatum	-24	14	-4	46.1	2038
Orbitofrontal cortex	-20	-8	-18	38.3	1027
Right amygdala	22	4	-18	38.3	1027
Cerebellum	0	80	-32	30.3	736
Thalamus	12	26	0	35.3	640
Frontal operculum	-56	-14	-8	31.8	606
Anterior insula	36	22	-4	31.8	606
Middle cingulate cortex	-18	38	38	41.4	534
Dorsolateral prefrontal cortex	42	-42	28	44.1	501

<sup>103</sup> Maza, M.T., Fox, K.A., Kwon, S., Flannery, J.E., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Association of Habitual Checking Behaviors on Social Media Relate to Longitudinal Functional Brain Development. *JAMA Pediatrics*, 177, 160-167. <https://doi.org/10.1001/jamapediatrics.2022.4924>



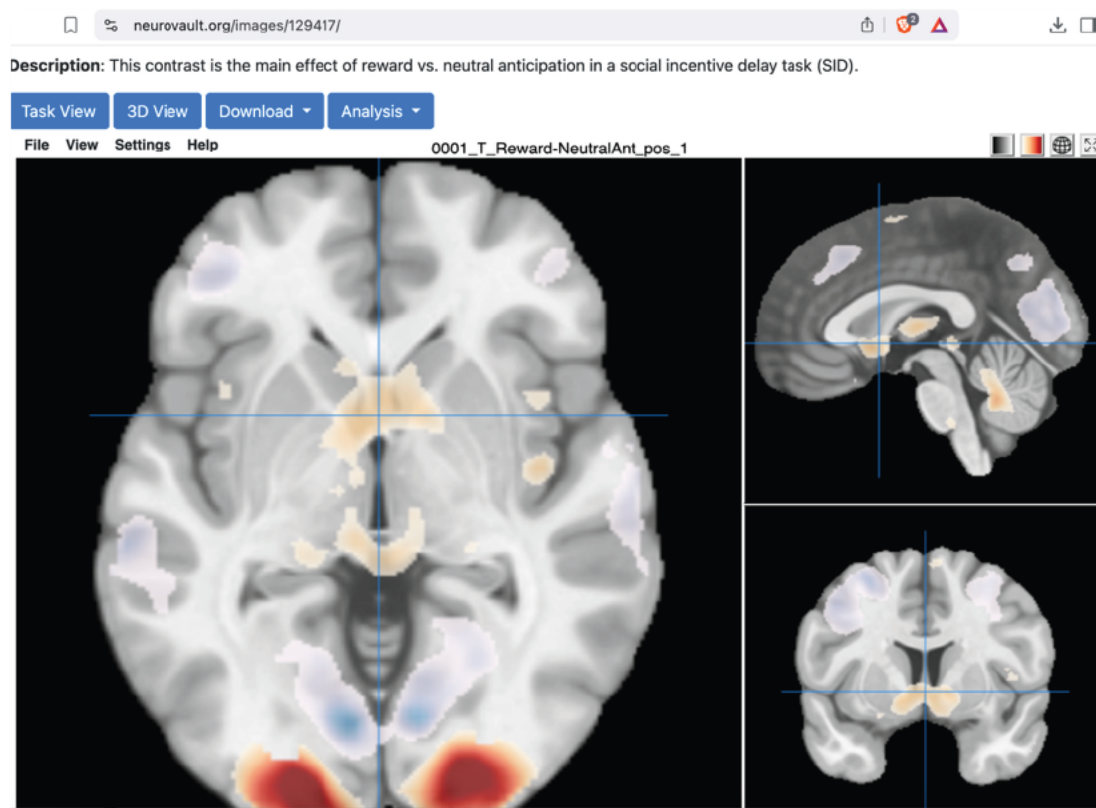
104. Moreover, as shown in the Figure pasted below from my own published review<sup>104</sup> of dopaminergic pathways in the brain, many regions identified in the Maza study (shown in Table 3) are part of the dopaminergic pathway in the brain, including the striatum, amygdala, and orbitofrontal cortex. Thus, there is robust activation in neural regions rich in dopaminergic pathways. Dr. Galvan's indication that dopaminergic systems were not activated is erroneous.



105. Galvan indicates the lack of ventral striatum activation “calls into question how “socially rewarding” this task actually was to participants” (Galvan MDL Report, Appendix D). Simply put, the study found robust ventral striatum activation. Moreover, we have made the main effects of the task publicly available on Neurovault<sup>105</sup> (Gorgolewski et al., 2015: <https://neurovault.org/collections/LXPKHSIX/>). Main effects of a task show which regions are reliably activated in the full sample (not effects correlated with social media or other variables) and thus tell us if a task is actually engaging the regions we expect. As shown in the image below from this collection, the task itself reliably recruits the ventral striatum (cluster of brain activation where cross-hairs are located). This is readily available and open access for anyone to explore.

<sup>104</sup> Telzer, E. H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience*, 17(C), 57-67. <https://doi.org/10.1016/j.dcn.2015.10.010>

<sup>105</sup> Telzer, E. H., Jorgensen, N. A., Prinstein, M. J., & Lindquist, K. A. (2021). Neurobiological sensitivity to social rewards and punishments moderates link between peer norms and adolescent risk taking. *Child Development*, 92(2), 731-745. <https://doi.org/10.1111/cdev.13466>



**Figure note.** Results showing brain activation during the Social Incentive Delay Task when adolescents viewed social reward>neutral cues. Cross-hairs show the cluster of activation in the ventral striatum.

106. In addition, Galvan states “There is also inconsistent follow-up and variation in the number of longitudinal scans completed: across all waves, 25 participants completed 1 scan, 36 participants completed 2 scans and 112 completed 3 scans.” This variation in the number of longitudinal datapoints is typical in longitudinal studies. What this shows is that the majority of the sample ( $n=112$ ) completed all scans across all time points. A small number ( $n=36$ ) completed two of the three waves, and an even smaller number ( $n=25$ ) completed one of the three waves. Notably, this rate of participation is considered the gold standard, where retention of 70% or greater is important for minimizing bias and to maintain generalizability.<sup>106</sup>

107. Galvan also states “In addition, Figures 1-4 indicate that there were differences in brain function among the three checking groups *before* the longitudinal study examining checking behavior was conducted” – emphasis original to Galvan report. This is a misunderstanding of how the models and data were collected. Habitual social media behaviors were collected *before* any neural data were collected, as described in the original manuscript. Thus, it is not the case that Maza found “differences in brain function before the longitudinal study examining checking

<sup>106</sup> Gustavson, K., von Soest, T., Karevold, E., & Røysamb, E. (2012). Attrition and generalizability in longitudinal studies: Findings from a 15-year population-based study and a Monte Carlo simulation study. *BMC Public Health*, 12, 918

behavior was conducted.” Galvan’s statement incorrectly interprets the figures and statistical models shown.

108. Kishida indicates (at 166): “The social incentive delay task is proposed in this study to model social feedback. The task design appears to be based on a well-known “monetary incentive delay task” (Knutson et al., 2000) where the kind of monetary feedback is cued on each trial such that participants anticipate performing the reaction time task to gain money (reward) or avoid the loss of money (punishment). The monetary incentive delay task has been repeatedly demonstrated to elicit robust responses in the striatum which is considered part of the reward processing circuitry. It is notable that Maza et al., 2023 do not show robust striatal responses (see Figure from Maza et al 2023 as an example).”

109. The figure referred to does show striatal response. This is described above where Galvan also misrepresented this finding. It is also important to note that this figure shows differences in trajectories of brain activation between groups (i.e., a moderated linear mixed effect growth model). It does not show whether the task itself robustly recruits the striatum. We have shown in other papers that the task does robustly recruit the striatum, and we have posted these data in public repositories, as described above.

110. Kishida also misunderstands the statistical models used in this paper. At paragraph 168 (MDL Report) he writes “The authors reported, ‘...to model longitudinal whole-brain changes in sensitivity to social anticipation, there was not a 3-way interaction between type of social anticipation, age, and social media checking behavior...’ (Maza et al., 2023, p. 4). Then they went on to perform other *exploratory analyses*. This suggests that their primary hypothesis that there is an association with differences in the brain’s response to social anticipation, checking behavior, and age was nullified.” Kishida is again misinterpreting the fMRI results.

111. This is a linear mixed effects model examining how age across 3 waves predicts trajectories of brain activation at the whole brain level, and whether this neural trajectory is different between positive and negative feedback anticipation and differs by habitual social media checking behavior. In other words, we are testing [age] x [social media] x [positive vs negative feedback] on trajectories of brain activation. This is a 3-way interaction. We did not observe differences between positive and negative feedback anticipation. Thus, our findings show that there are robust developmental differences in the brain’s response to social anticipation based on checking behavior, but this effect is the same for social anticipation to positive and negative feedback. Nothing is nullified. Kishida incorrectly interprets longitudinal linear mixed effects models.

112. Kishida remarks that “Some kind of valid behavioral assessment that the purported ‘social reinforcements’ do what they are claimed is necessary to be able to make conclusions that the associated brain activity is in fact associated with social reinforcement and not simply the brains’ reaction to faces that appear ‘happy,’ ‘blurred,’ or ‘angry.’” We examined activation during the anticipation of receiving feedback. So brain activation was not a reaction to seeing faces at all. It was when viewing a shape, whereby each shape was associated with a type of feedback. Given



that we see robust differences in the striatum between anticipating positive vs neutral feedback (as depicted in the figure above), it is unambiguous that the task is eliciting the expected response.

██████████ et al., 2016<sup>107</sup>

113. Galvan (Appendix D) states that “The authors did not provide information about recruitment sites so it is unknown if these participants knew each other prior to the study. This is important because participants who knew each other presumably had greater familiarity with each other’s Instagram sites which would likely lead to different brain activation patterns as compared to novel or unfamiliar Instagram profiles.”

114. It appears that Galvan is misunderstanding the methods of the study and design. Participants did not see each other’s Instagram posts. Rather, as explicitly stated in the paper, the task included viewing one’s own posts and other stimuli were selected by the study team from publicly available images on Instagram. There is no reason that a potential greater familiarity with each other’s Instagram sites would have any effect on the study as the participants were **not** viewing each other’s photos.

115. Moreover, and more importantly, the images (i.e., content) were manipulated with a key feature of social media – adding many likes or few likes to the images. This manipulation—and not the content of the images—is what resulted in differences in brain activation. As the authors discuss, the goal of the study was to understand “how features unique to social media contribute to peer influence... For example, a feature of most social media tools is the ability to “Like” an image, text, or other piece of information, allowing for simple, straightforward measure of peers’ endorsement... Quantifiable Social Endorsement provides a unique research opportunity: while it is a form of interaction that occurs in the real world, it is simple enough to be experimentally manipulated.”

116. Kishida also misrepresents the ██████████ study. He indicates (MDL report, paragraph 127) “The authors also place considerable weight on the nucleus accumbens (“NA”) and its role in reward processing but the fMRI analysis shows little evidence of significant effects in this region. In the results section they state that there was increased activation in the NA for viewing images with more versus fewer likes, but oddly there appears to be no actual data, statistics, or analyses provided to support that claim.”

117. Kishida is wrong. The statistical analyses for this result are included in the manuscript in Table S1, which is reproduced below. The nucleus accumbens is highlighted in the blue row.

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<sup>107</sup> ██████████, Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: Effects of peer influence on neural and behavioral responses to social media. *Psychological science*, 27(7), 1027-1035.

**Table S1. Peak coordinates of activation for regions obtained from the random-effects contrasts of popular > unpopular for neutral, risky, and participants' own images**

	MNI peak (mm)			Max Z	Sig # Voxels
	x	y	z		
Neutral Images, Popular > Unpopular					
Cerebellum	-6	-56	-16	3.53	389
Intracalcarine cortex/ precuneus	6	-72	16	3.40	544
Occipital pole	2	-90	0	3.44	728
Risky Images, Popular > Unpopular					
Left lateral frontal cortex (precentral gyrus, middle frontal gyrus, inferior frontal gyrus)	-34	16	28	3.79	557
Participants' Own Images, Popular > Unpopular					
Left ventrolateral prefrontal cortex	-32	58	8	4.09	351
Medial prefrontal cortex	10	48	28	3.82	908
Dorsomedial prefrontal cortex	-2	14	56	3.2	259
Left lateral frontal cortex (superior frontal gyrus, middle frontal gyrus, inferior frontal gyrus)	-48	12	36	3.91	1510
Left temporal pole	-48	6	-26	3.37	208
Striatum (caudate, putamen, nucleus accumbens)	8	4	-4	3.98	675
Right lateral frontal cortex (precentral gyrus, middle frontal gyrus, inferior frontal gyrus)	48	-2	52	3.69	343
Thalamus	-10	-8	14	3.76	1247
Left hippocampus	-18	-20	-16	3.95	81
Ventral tegmental area/ brain stem	-8	-28	-12	3.74	604
Left cerebellum	-18	-42	-24	3.83	1558
Left superior parietal lobe/ lateral occipital cortex	-26	-52	30	4.01	454
Precuneus	2	-72	36	4.04	1958
Occipital cortex (occipital pole/ fusiform gyrus)	-2	-88	10	3.96	1442
Right cerebellum	14	-88	-26	3.99	1857

Coordinates are in Montreal Neurological Institute space. For all maps,  $Z > 2.3$ , cluster corrected for multiple comparisons at  $p < .05$ . Contrasts were pre-thresholded using a binary mask consisting of all regions exhibiting greater activation for any type of photograph > fixation in order to restrict whole-brain findings to regions of significant task-related activity.

## B. Flannery et al., 2024<sup>108</sup>

118. Galvan indicates “The ASMU assessment has not been validated through the standard peer review process. The authors even acknowledge the lack of validity: ‘While additional validation of this novel ASMU measure in other samples is warranted, the measure demonstrates evidence of important convergent validity with constructs that have been previously tested in the literature with other problematic and social media addiction/addiction-like social media use measures (with some minor deviations, as to be expected with variations across recruited samples).’ The rationale they provide for support for ‘validity of our ASMU measure’ is speculative and not grounded in specificity. Without validity of the primary assessment of interest, any findings between the ASMU questionnaire and brain activation are difficult to interpret and cannot be deemed credible” (MDL Report, page 40). Galvan further says “Similarly, when publishing the results of her fMRI work in this area, Dr. Telzer notes that there were additional validations needed of the ‘Addiction-like social media use’ measure and, critically, that ‘social media exposure and use behaviors before and across pubertal development was not available’” (MDL Report, page 45).

<sup>108</sup> Flannery, J. S., Burnell, K., Kwon, S. J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive and Affective Neuroscience*, 19(1), 1-19.

119. Not having social media exposure before and across puberty does not negate the fact that neural sensitivities across puberty predicted which adolescents show later signs of problematic social media behaviors. Although this scale has not yet undergone formal psychometric validation, its use is justified on several grounds. First, it was derived by adapting items from the DSM-5 criteria for substance use disorders—a well-established and widely used diagnostic framework—ensuring a strong theoretical foundation. Second, in preliminary analyses, the scale shows meaningful correlations with constructs we would expect it to relate to (e.g., depression, anxious affect)<sup>109</sup>, and each item on the ASMU scale correlated with perceived social media addiction (as demonstrated in the table below)<sup>110</sup>, providing evidence of construct validity.

**Table 1.** Addiction-like social media use items and endorsed prevalence.

	Moderate endorsement	Severe endorsement	Correlation with perc add
1. Do you ever feel like you spend more time on social media than you intended?	52%	33%	.42
2. Have you ever tried to spend time away from social media, but couldn't do it?	41%	20%	.34
3. Do you ever expend extra effort to make sure you will continue to have access to social media at times when you otherwise may not be able to use it?	47%	18%	.42
4. Do you ever have a craving or strong desire to use social media?	41%	22%	.42
5. Does social media use ever get in the way of things you are supposed to be doing (sleep, exercise, school work)?	39%	30%	.48
6. Do you ever use social media even after you realized that it was getting in the way of what you thought was best for you?	38%	29%	.51
7. Have you ever been away from social media and felt like you were missing it too much to engage in normal day to day activities?	37%	15%	.52

120. Finally, in the absence of gold-standard measures specific to emerging behaviors (e.g., social media addiction), modified or theory-driven scales can offer valuable insights and contribute to the empirical literature while laying the groundwork for future validation efforts.

<sup>109</sup> Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2024). U.S. Adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. *Journal of Children and Media*, 1–19. <https://doi.org/10.1080/17482798.2024.2402272>

<sup>110</sup> Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2024). U.S. Adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. *Journal of Children and Media*, 1–19. <https://doi.org/10.1080/17482798.2024.2402272>

**C. Da Silva Pinho et al., 2024<sup>111</sup>**

121. Galvan states that “First, the authors’ primary finding seems to relate to a suggestion that adolescents may be more sensitive to social feedback on social media. It is important to note that a body of literature has shown that adolescents are generally more sensitive to social feedback, but that phenomenon is not unique to social media and instead applies to every interaction an adolescent has online or offline (Somerville et al., 2013).” (MDL Report, Appendix D).

122. While sensitivity to peers is not unique to social media, social media amplifies this sensitivity at scale. Classic developmental theories, like Elkind’s concept of the *imaginary audience*, describe how adolescents often feel as if they are constantly being watched and judged by their peers. On platforms like Instagram, TikTok, and Snapchat, adolescents aren’t just imagining who’s watching—they receive immediate, countable feedback in the form of likes, views, comments, and shares, creating a constant stream of social evaluation that is visible, persistent, and sometimes algorithmically broadcast to even wider audiences. Digital context amplifies adolescents’ sensitivity to peer feedback. In this way, social media doesn’t just reflect adolescents’ peer sensitivity—it amplifies and exploits it, shaping how they present themselves, make decisions, and interpret their social worth. While peer sensitivity is not unique to the digital age, social media intensifies it, turning normative developmental tendencies into potential vulnerabilities. While the imaginary audience is a well-documented feature of adolescent development, social media transforms this psychological construct into an interactive, algorithmically amplified spotlight, where peer evaluation is no longer imagined but constant, quantifiable, and inescapable.

123. Internal documents show that the social media companies are aware of the imaginary audience in adolescence and how this may impact teens online<sup>112</sup>.

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<sup>111</sup> da Silva Pinho, A., Céspedes Izquierdo, V., Lindström, B., & van den Bos, W. (2024). Youths’ sensitivity to social media feedback: A computational account. *Science Advances*, 10(43), eadp8775.

<sup>112</sup>META3047MDL-003-00191208 What Makes Teens Tick

### “Imaginary Audience”

Personal fable is compounded by another psychological concept called “imaginary audience”, which is a heightened self consciousness fueled by the belief that all eyes are on them. This proves true in the data as well. At least in the U.S., teens are much more concerned about the quality of their content and have concerns about being judged. It’s no wonder then why there are so many public sharing barriers and rules among teenagers even on ephemeral surfaces like Stories.



"Imaginary audience" is a heightened self consciousness fueled by the belief that all eyes are on them.

**Figure note.** Meta Presentation “What Makes Teens Tick”

124. Galvan states “And, more fundamentally, an individual who is more sensitive to likes/nonlikes on social media will also be more sensitive to social feedback in general so any differences in amygdala volume between those with more/less sensitivity cannot be specifically attributed to social media use.” There is no evidence that individuals who are more sensitive to likes on social media are more sensitive to social feedback in general.

125. Galvan states “The number of posts was used as a proxy for social media influence and the brain metric used was brain volume rather than brain function.” There are several issues with this statement. First, Galvan is not representing this correctly. The number of posts was not used as a proxy of social media influence. Rather, the researchers built a computational model, utilizing Instagram trace data that included millions of posts. They calculated the prediction of online engagement as a function of social feedback (likes on their posts). In other words, the more



likes a person receives, the sooner this person will post again, and the fewer likes they receive, the longer it takes them to post again. Higher scores from the computational model equate to greater social media feedback sensitivity, indicating sensitivity not only to receiving more likes than expected but also to the unexpected absence of likes. This is a very sophisticated model that uses their actual posting behaviors and social feedback to compute how sensitive or reactive they are to the expected/unexpected receipt of social rewards. Moreover, the data come from years' worth of usage data, examining millions (study 1)/thousands (study 3) of posts, providing an extremely robust index.

126. It is essential to point out that examining brain volume rather than brain function is a strength of the study. Structural MRI allows researchers to examine the architecture of the brain itself, including the size of specific regions, which reflects longer-term developmental patterns and cumulative experiences. In this way, studying brain volume is not a limitation, but a crucial method for understanding the more stable or chronic effects of environmental inputs, including social experiences and digital technology use. Unlike functional activity, which can fluctuate from moment to moment, amygdala volume reflects developmental trajectories that unfold over months or years, providing a valuable lens into how environmental exposures—like persistent peer feedback on social media—may shape emotional processing systems over time.

127. Importantly, Da Silva Pinho collected data from 96 late adolescents, who provided Instagram trace data, resulting in 11,277 Instagram posts, integrating all the data since participants created their accounts. This resulted in over 5.74 years of social media use among participants and an average age of first post at age 14.2 years. This is extremely rich data, allowing the researchers to test long-term effects of social media use and identify which brain regions are associated with prolonged exposure to social media during adolescence. That the users' social feedback sensitivity (collected over the previous 5 years) predicted amygdala volume in young adulthood is striking. Amygdala volume reflects developmental trajectories that unfold over months or years, providing a valuable lens into how environmental exposures—like persistent peer feedback on social media—may shape emotional processing systems over time. Amygdala volume offers critical evidence for how digital environments might influence the brain's emotional circuitry in enduring ways. Far from being a limitation, structural MRI provides the developmental “big picture” that complements the fine-grained snapshots offered by fMRI.

128. Galvan states “In addition, data for study 1 was collected over a decade ago (October 2014 and March 2015), which is a limitation because the use of social media is much more routine now than it was a decade ago, particularly among adolescents, so the novelty of social media was greater than it is now”

129. Social media data collected a decade ago are not outdated, but rather foundational, and potentially even conservative estimates of what we would observe today. In earlier stages of social media adoption, adolescents were less immersed in these platforms, engaging with them for shorter periods and with less algorithmic and feature complexity than is seen today. If measurable impacts on mental health, cognition, or neural development were already observable under those more limited exposure conditions, it stands to reason that such effects would be amplified and not



diminished by the more pervasive and immersive social media environment adolescents now navigate.

130. Importantly, early studies provided crucial insights into the mechanisms by which social media shapes adolescent behavior and development. For instance, research conducted before the rise of algorithm-driven content still showed that peer feedback on social media could alter neural activity in regions associated with reward processing (e.g., [REDACTED] et al., 2016)<sup>113</sup>. These findings are not rendered irrelevant by platform updates or changing trends; rather, they reveal core psychological and neurobiological processes that remain highly applicable, if not more so, in today's media landscape. Moreover, developmental processes such as reward sensitivity and peer influence remain stable features of adolescence. What changes is the intensity, frequency, and context in which those processes are activated. If anything, the omnipresence of social media in the current generation's daily life may serve as a multiplier effect on the mechanisms uncovered by social media data collected a decade ago.

## **XII. Social Media Creates Harms in School**

131. Defendants' experts claim evidence does not support that social media use is occurring in schools and impairing learning and attention (Aguilar, Pfeifer). This is simply not true. Across all available data and published studies<sup>114,115,116,117,118,119</sup>—combined with my own fieldwork in schools, conversations with teen advisors, parent groups, and direct consultation with educators—I am confident in my professional opinion that social media is impairing students' ability to learn in school. The evidence is consistent and compelling. Despite differences in overall average amount of time spent on social media across studies, all the published data (and our unpublished data included in my original report) show adolescents are spending considerable time during school hours on their phones, and the majority of that time is spent on social media platforms. Even when schools implement phone bans, the impact of social media use doesn't disappear; students still carry its emotional and cognitive effects into the classroom, affecting

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<sup>113</sup> [REDACTED], Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: Effects of peer influence on neural and behavioral responses to social media. *Psychological science*, 27(7), 1027-1035.

<sup>114</sup> Christakis, D. A., Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L. (2025). Adolescent smartphone use during school hours. *JAMA pediatrics*, 179(4), 475-478.

<sup>115</sup> Burnell, K., Maheux, A.J., Shapiro, H., Flannery, J.E., Telzer, E.H., & Kollins, S.H. (in press). An observational analysis of smartphone engagement during school hours among U.S. youth. *JAMA Network Open*.

<sup>116</sup> Telzer unpublished data reported in MDL and JCCP report

<sup>117</sup> [https://www.commonssensemedia.org/sites/default/files/research/report/2023-cs-smartphone-research-report\\_final-for-web.pdf](https://www.commonssensemedia.org/sites/default/files/research/report/2023-cs-smartphone-research-report_final-for-web.pdf)

<sup>118</sup> Felisoni, D. D., & Godoi, A. S. (2018). Cell phone usage and academic performance: An experiment. *Computers & Education*, 117, 175-187.

<sup>119</sup> Siebers, T., Beyens, I., Pouwels, J. L., & Valkenburg, P. M. (2022). Social media and distraction: An experience sampling study among adolescents. *Media Psychology*, 25(3), 343-3

attention, behavior, and the overall learning environment.<sup>120</sup> I have spoken extensively with teachers, parents, school district superintendents, and school staff across the state, and the message is clear: social media is a significant distraction that undermines educational focus.

132. While platforms like YouTube can have educational value, we know from research that many students primarily engage with it for non-educational purposes, even during school. This is not just anecdotal; it is supported by a growing body of literature, including my own empirical work, peer-reviewed research, and nationally representative surveys such as those from Common Sense Media.<sup>121</sup> Taken together, the full picture provides strong and consistent evidence that social media is a pervasive problem for school learning in the U.S. today.

133. Defense expert Aguilar<sup>122</sup> implied my sample is not generalizable and suggests that the sample “can generalize to rural, lower-middle-class students, though the small sample size (200)—and the fact that the study took place during emergency remote learning during the 2020 pandemic—suggest that the study is biased towards that chaotic moment in time and should not be used to understand students *current* use of social media” (MDL Report, page 32-33). First, the sample was collected annually starting in 2016, well before the 2020 pandemic, and extended through 2023, well after the pandemic ended. Thus, it is inaccurate to indicate the study took place during emergency remote learning. While the sample is drawn from a single rural town, it includes substantial racial/ethnic diversity (approximately 30% White, 30% Black, and 30% Latine) and captures a wide range of socioeconomic backgrounds, ranging from families experiencing poverty to those in the middle class. This diversity enhances the generalizability of findings across key demographic groups that are often underrepresented in national samples. While geographically limited, the demographic heterogeneity within the sample provides variation across key predictors of youth outcomes—such as race, income, and community context—allowing for robust within-sample analyses and comparisons.

134. Importantly, for research questions related to media use, mental health, or social behavior, cultural, economic, and racial diversity may be more critical for generalizability than geographic breadth alone, particularly because the mechanisms under study (e.g., social media exposure) are not location-specific. National panels like the National Academies of Sciences (2019) have emphasized the need to intentionally include racial/ethnic minorities and low-SES populations to improve the validity and utility of developmental science for policy and intervention.<sup>123</sup> A sample with racial and socioeconomic diversity within a single site provides strong variability across critical predictors of health and behavior, allowing for meaningful within-

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<sup>120</sup> Campbell, M., Edwards, E. J., Pennell, D., Poed, S., Lister, V., Gillett-Swan, J., Kelly, A., Zec, D., & Nguyen, T.-A. (2024). Evidence for and against banning mobile phones in schools: A scoping review. *Journal of Psychologists and Counsellors in Schools*, 34(3), 242–265. <https://doi.org/10.1177/20556365241270394>

<sup>121</sup> [https://www.common Sense Media.org/sites/default/files/research/report/2023-cs-smartphone-research-report\\_final-for-web.pdf](https://www.common Sense Media.org/sites/default/files/research/report/2023-cs-smartphone-research-report_final-for-web.pdf)

<sup>122</sup> Aguilar MDL Report

<sup>123</sup> National Academies of Sciences, Engineering, and Medicine. (2019). *The Promise of Adolescence: Realizing Opportunity for All Youth*. <https://doi.org/10.17226/25388>

sample heterogeneity even if geographically constrained. In fact, diverse, well-characterized community samples may outperform nationally representative samples in certain respects because they allow for deeper contextual understanding and better subgroup analyses.<sup>124,125</sup> As has been pointed out by others “The sample size required to adequately represent all sociodemographic groups would be large and the recruitment costs and efforts for this method are consequently considerable. Furthermore, large samples often involve a trade-off with detailed measurement. For example, a small sample may allow a researcher to investigate a topic in greater depth, such as with open-ended questions or more extensive measurement. Larger samples may only allow for more blunt instruments or require even greater allocation of resources for detailed measurement” (Bornstein, at page 368).

135. Defense expert Aguilar also raises concern about a marginal correlation in an unpublished paper (Haag et al., under review) (MDL Report, page 32-33). Aguilar misunderstands the use of this paper in my original report. The paper was only used to demonstrate some of the descriptive data included to show frequency of using smartphones and social media (e.g., number of pickups, smartphone time, and notifications), but none of the statistics from the Haag paper are relied upon in my report.

136. Aguilar further suggests I misrepresent a finding, but in fact we agree on it. In his report, he indicates “Dr. Telzer acknowledges the limitations of her analysis, referencing the fact that correlational research of the type she performed is bidirectional, and thus cannot be used in support of causal claims. Yet, Dr. Telzer continues: ‘these findings provide strong evidence that failures in cognitive control develop in tandem with excessive smartphone use during school times’ (emphasis hers). (MDL Report, page 35)

137. In my original report regarding cognitive control specifically, I do not say anywhere that the only pathway that exists is that social media use causes failures in cognitive control. Rather, I say they are occurring in tandem. I explain in the report that the effect can go in either direction. Thus, Aguilar and I are saying the same thing. Where we differ is that I opine that regardless of the correlational aspect related to failures in cognitive control specifically, the outcomes are harmful and warrant meaningful consideration as to the modifiable risk factor of social media.

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<sup>124</sup> Gurven, M. D. (2018). Broadening horizons: Sample diversity and socioecological theory are essential to the future of psychological science. *Proceedings of the National Academy of Sciences*, 115(45), 11420-11427

<sup>125</sup> Bornstein, M. H., Jager, J., & Putnick, D. L. (2013). Sampling in developmental science: Situations, shortcomings, solutions, and standards. *Developmental Review*, 33(4), 357-37

### XIII. Smartphone Use and Social Media Disrupt Sleep and Impair Sleep Health

138. Defendants' experts deny the strong causal evidence showing that social media use disrupts sleep (Honaker). Across within-person EMA designs<sup>126</sup>, longitudinal studies<sup>127</sup>, and meta-analyses<sup>128,129</sup>, the evidence is strong that nighttime social media use impairs adolescents' sleep health. Defense expert Honaker's attempts to discredit many findings in Plaintiffs' reports show a misunderstanding of the data and analyses. She ignores control variables included in the models, misunderstands within- vs between-person results, misinterprets statistics, and disregards the large body of research that shows causal links between social media use and sleep.

139. For instance, Honaker argues that "it is also highly plausible that a third variable caused both events. For example, adolescents may have gone to bed later and used more screens at night because it was a weekend night and they did not have as much homework or a need to be awake early the next day." (MDL Report paragraph 133). This argument is invalid, as this study controlled for whether it was a school day.

140. Honaker also does not interpret the statistics correctly. She indicates that "Dr. Telzer, p. 137, asserts that findings unequivocally show that when adolescents engage in greater smartphone use during the night, they have poorer sleep outcomes that night. But the effect size estimates for self-reported metrics are extremely small (e.g.,  $B=.006$ ;  $B=-.001$ ). That is, increased smartphone use at night explains less than 1% of the variance in self-reported sleep." (MDL Report page 41-42). The statistics Honaker is referencing are the unstandardized coefficients which do not represent the amount of variance explained. The effect sizes that Honaker should have referenced above e.g. for ".006" is actually .41. In other words, rather than explaining less than 1% of the variance as Honaker described, the effect explains 41% of the variance—a much larger effect size than Honaker implied. These statistics were all clearly labeled in the table in the original manuscript.

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<sup>126</sup> Hamilton, J. L., Chand, S., Reinhardt, L., Ladouceur, C. D., Silk, J. S., Moreno, M., ... & Bylsma, L. M. (2020). Social media use predicts later sleep timing and greater sleep variability: An ecological momentary assessment study of youth at high and low familial risk for depression. *Journal of Adolescence*, 83, 122-130.

<sup>127</sup> Nagata, J. M., Cheng, C. M., Shim, J., Kiss, O., Ganson, K. T., Testa, A., ... & Baker, F. C. (2024). Bedtime screen use behaviors and sleep outcomes in early adolescents: a prospective cohort study. *Journal of Adolescent Health*, 75(4), 650-655.

<sup>128</sup> Chen, Y., Li, S., Tian, Y., Li, D., & Yin, H. (2024). Problematic social media use may be ruining our sleep: A meta-analysis on the relationship between problematic social media use and sleep quality. *International Journal of Mental Health and Addiction*, 1-36.

<sup>129</sup> Ahmed, Oli, Erin I. Walsh, Amy Dawel, Khawlah Alateeq, Daniela Andrea Espinoza Oyarce, and Nicolas Cherbuin. "Social media use, mental health and sleep: A systematic review with meta-analyses." *Journal of affective disorders* 367 (2024): 701-712.

141. Honaker goes on to suggest that “The report also neglects to mention another key finding from that manuscript—that there were no significant between-subject associations between nighttime screen use and sleep metrics. That is, adolescents with more nighttime screen use did not have worse sleep.” (MDL Report page 35). Honaker seems to misunderstand within vs between person effects. That we found within-person effects shows that on the very night that an adolescent engaged in more screentime than their own average, they slept less that night. The between-person effect tells us something very different: averaging across all the data, it indicates that teens who used screens more on average (averaged across all measurements) sleep less on average (averaged across all measurements). The within-person effect is more powerful and informative because it isolates how changes in an individual’s own screen time from day to day predict changes in their own sleep. In contrast, the between-person effect compares average screen time and average sleep across individuals—an approach that’s more prone to confounders and less sensitive to meaningful fluctuations that drive behavior and health. When we find that on days when a person uses more screen time than usual, they sleep worse than usual, that suggests a temporal link within that individual. Because each person serves as their own control, many confounding variables (e.g., baseline temperament, SES, sleep environment) are held constant. This greatly strengthens causal inference. Differences between individuals in screen time could be tied to factors like age, personality, school schedules, etc.—not just screen time itself. And between-person effects which aggregate across people may smooth out meaningful within-person fluctuations. One might miss the fact that a person with moderate average screen time still suffers on nights they binge use of the platforms, because averages don’t reflect the spikes and dips. In other words, we found within-person effects in our study and not between-person effects—this is exactly what we would expect, and it provides the strongest evidence that when adolescents engage in greater smartphone use during the night, they have poorer sleep outcomes that night.

142. Honaker references a model of sleep in my report and suggests it is not social media use that is the problem but that “psychosocial pressures, along with bioregulatory pressures, do not lead to reduced sleep duration, except in the context of societal pressures—in particular, early school start times” (MDL Report, page 40). I agree with the premise that, in the context of early school start times, the pervasive use of electronic devices at night is especially detrimental to adolescent sleep health. A robust and growing body of research has demonstrated that adolescents are biologically predisposed to stay up later due to shifts in their circadian rhythms during puberty. This natural delay in sleep timing is compounded by behavioral factors—most notably, the widespread use of social media at night. Numerous studies show that screen exposure, especially on emotionally arousing and interactive platforms like TikTok, YouTube, Instagram/Facebook, and Snapchat, delays sleep onset, shortens total sleep duration, and disrupts overall sleep quality. When paired with early school start times, this pattern leads to reductions in sleep duration among adolescents.

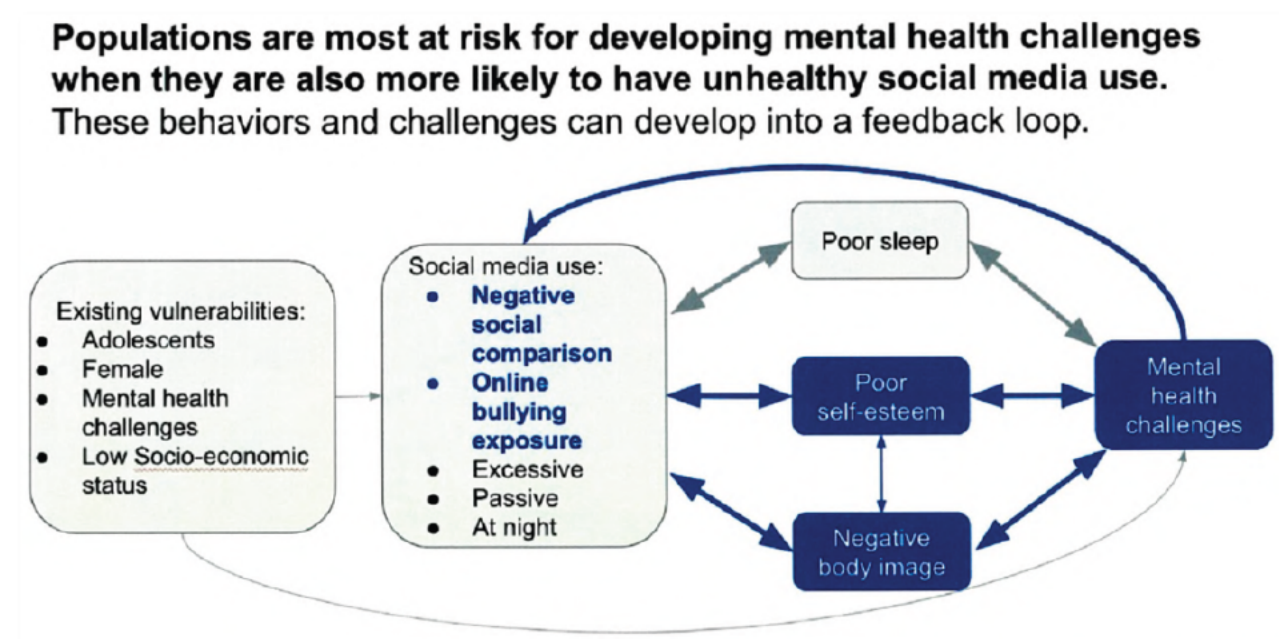
143. While one might argue that late-night phone use would be less problematic if adolescents didn’t have to wake up early, the reality is that school is a non-negotiable part of their lives—and will remain so. Therefore, it is incumbent that we treat nighttime sleep disruption via social media as a public health concern. We must protect adolescent sleep, especially in the hours leading up to bedtime.



#### XIV. Risks of Social Media Use Outweigh the Benefits

144. While some research has found that social media can offer short-term benefits, such as helping youth feel socially connected, these perceived positives mask deeper, longer-term harms. In fact, the momentary increase in feelings of social connectedness from social media are fleeting in nature<sup>130</sup>. As a developmental neuroscientist, and someone who has reviewed thousands of internal documents and conducted empirical research on these issues, as well as edited an entire handbook on adolescent social media use and mental health<sup>131</sup>, it is increasingly clear that the risks of social media use outweigh the benefits, particularly for adolescents who are considered the most vulnerable population.

145. Internal documents not only acknowledge the harms of social media but show that the defendant social media companies consider children and adolescents to be the most vulnerable to the potential harms, as shown in the Figure below.



**Figure Note.** Model from Meta, [REDACTED] Deposition.

<sup>130</sup> Garrett, S.L., Burnell, K., Armstrong-Carter, E.L., Prinstein, M.J., & Telzer, E.H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence*, 33(4), 1222-1234

<sup>131</sup> Nesi, J., Telzer, E.H., & Prinstein, M.J. Eds. (2022). *The Handbook of Adolescent Social Media Use and Mental Health*. Cambridge University Press. <https://doi.org/10.1017/9781108976237>

146. This figure is very consistent with my own model demonstrating a feedback loop of adolescent mental health and digital media use, where we also describe that adolescents are uniquely impacted by social media due to heightened neurobiological and behavioral sensitivity.<sup>132</sup>

147. Moreover, in a Meta Presentation “What Makes Teens Tick”, it was noted that “Teens are sensitive and vulnerable to experiences that can have lasting harm”<sup>133</sup>. The presentation further underscores that “teen brains’ are especially ‘plastic’ or keen to learn which presents a unique opportunity that when coupled with curiosity, can send teens down some interesting rabbit holes”. The presentation continues to highlight how “teen brains are much more sensitive to dopamine... due to their immature brain, they have a much harder time stopping, even though they want to – our own product foundation research has shown teens are unhappy with the amount of time they spend on our app”. Meta’s documents show that teens were most vulnerable, and this vulnerability put them at risk for many negative experiences on their platform, including engaging with predators and self-harm (see Figure Below).

## Reward

Lastly a huge driver for teen behavior is the prospect of reward. This is what makes them predisposed to impulse, peer pressure, and potentially harmful risky behavior like drugs, stunts and pranks.

**Teen brains are much more sensitive to dopamine**, one of the reasons that the risk of drug addiction is higher for adolescents and it’s the same thing that keeps them scrolling and scrolling. Due to the immature brain, **they have a much harder time stopping** even though they want to -- our own product foundation research has shown **teens are unhappy with the amount of time they spend on our app**.

And sadly, a **short term reward and inexperience makes teens prone to risky behavior** and there are plenty that present themselves online and on Instagram. This could be engaging with predators, consuming dark content, sharing nude photos or copycat self-harm.

**Figure Note.** Presentation from Meta “What Makes Teens Tick”<sup>134</sup>

148. Social media platforms are not neutral tools; they are engineered environments designed to maximize engagement. Internal documents previously reviewed for my opening report underscore that the platforms prioritize engagement over safety of its vulnerable populations.

<sup>132</sup> Flannery, J.S., Maza, M.T., Kilic, Z., & Telzer, E.H. (2023). Cascading bidirectional influences of digital media use and mental health in adolescence. *Advances in Child Development and Behavior*, 64, 255-287. <https://doi.org/10.1016/bs.acdb.2022.10.003>

<sup>133</sup> META3047MDL-003-00191208 What Makes Teens Tick

<sup>134</sup> META3047MDL-003-00191208 What Makes Teens Tick

149. Empirical studies continue to show associations between social media use and increased mental health problems,<sup>135</sup> sleep disruption,<sup>136</sup> loneliness<sup>137</sup>, poor body-image,<sup>138</sup> suicidal thoughts and behaviors<sup>139</sup>, disrupted engagement in school,<sup>140</sup> and alterations in brain circuits involved in reward, emotional regulation, and social processing.<sup>141</sup>

<sup>135</sup> Roberston, L., Twenge, J. M., Joiner, T. E., & Cummins, K. (2022). Associations between screen time and internalizing disorder diagnoses among 9-to 10-year-olds. *Journal of affective disorders*, 311, 530-537; Nagata, J. M., Otmar, C. D., Shim, J., Balasubramanian, P., Cheng, C. M., Li, E. J., ... & Baker, F. C. (2025). Social media use and depressive symptoms during early adolescence. *JAMA Network Open*, 8(5), e2511704-e2511704.

<sup>136</sup> Hamilton, J. L., Jorgensen, S. L., Crichlow, Z., Biernesser, C., Zelazny, J., Franzen, P. L., ... & Brent, D. A. (2024). Social media use and sleep outcomes among adolescents at high risk for suicide. *International journal of cognitive therapy*, 17(1), 53-71; Hysing, M., Pallesen, S., Stormark, K. M., Jakobsen, R., Lundervold, A. J., & Sivertsen, B. (2015). Sleep and use of electronic devices in adolescence: results from a large population-based study. *BMJ Open*, 5(1), e006748. <https://doi.org/10.1136/bmjopen-2014-006748>; Burnell, K., Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2024). Daily links between objective smartphone use and sleep among adolescents. *Journal of Adolescence*, 96(6), 1171-1181.

<sup>137</sup> Marttila, E., Koivula, A., & Räsänen, P. (2021). Does excessive social media use decrease subjective well-being? A longitudinal analysis of the relationship between problematic use, loneliness and life satisfaction. *Telematics and Informatics*, 59, 10155.

<sup>138</sup> Kleemans, M., Daalmans, S., Carbaat, I., & Anschütz, D. (2016). Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls. *Media Psychology*, 21(1), 93–110. <https://doi.org/10.1080/15213269.2016.1257392>; Saiphoo, A. N., & Vahedi, Z. (2019). A meta-analytic review of the relationship between social media use and body image disturbance. *Computers in Human Behavior*, 101, 259–275. <https://doi.org/10.1016/j.chb.2019.07.028>;

<sup>139</sup> Xiao Y, Meng Y, Brown TT, Keyes KM, Mann JJ (2025). Addictive Screen Use Trajectories and Suicidal Behaviors, Suicidal Ideation, and Mental Health in US Youths. *JAMA*.

<sup>140</sup> Christakis et al., 2025; Demirbilek, M., & Talan, T. (2018). The effect of social media multitasking on classroom performance. *Active learning in higher education*, 19(2), 117-129; Felisoni, D. D., & Godoi, A. S. (2018). Cell phone usage and academic performance: An experiment. *Computers & Education*, 117, 175-187

<sup>141</sup> Maza, M.T., Fox, K.A., Kwon, S., Flannery, J.E., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Association of Habitual Checking Behaviors on Social Media Relate to Longitudinal Functional Brain Development. *JAMA Pediatrics*, 177, 160-167. <https://doi.org/10.1001/jamapediatrics.2022.4924>; Achterberg, M., Becht, A., van der Crujsen, R., van de Groep, I. H., Spaans, J. P., Klapwijk, E., & Crone, E. A. (2022). Longitudinal associations between social media use, mental well-being and structural brain development across adolescence. *Developmental cognitive neuroscience*, 54, 101088; Song, K., Zhang, J. L., Zhou, N., Fu, Y., Zou, B., Xu, L. X., ... & Zhang, J. T. (2023). Youth screen media activity patterns and associations with behavioral developmental measures and resting-state brain functional connectivity. *Journal of the American Academy of Child & Adolescent Psychiatry*, 62(9), 1051-1063; Nivins, S., Sauce, B., Liebherr, M., Judd, N., & Klingberg, T. (2024). Long-term impact of digital media on brain development in children. *Scientific Reports*, 14(1), 13030.

150. Importantly, even when youth report that social media helps them feel less alone or more informed in the short term, this doesn't negate that their attention spans are being fractured, their sleep is being eroded, and their sense of self-worth is increasingly tied to algorithmically driven social metrics. These short-term feelings of connection come at a long-term cost, especially when engagement displaces offline relationships, physical activity, and unstructured downtime critical for healthy brain development. Unfortunately, in the case of social media, Defendants continue to promote widespread use in the face of increasingly clear harms. Based on all the research and data available, through neuroscience, psychology, behavioral science, and now from the platform's own internal documents and research, a comprehensive risk-benefit analysis strongly favors the conclusion that the risks of social media outweigh its benefits, particularly for younger and more vulnerable users.

#### **XV. Underlying Data in Telzer Report**

151. Sections X and XI of my original report included a description of the research methods and research findings from my longitudinal cohort study (NeuroTeen Study). This sample and all methods have been described in length in 49 peer-reviewed publications (see Appendix 1). The study began in 2016 and now includes 6 waves of longitudinal data, with the last wave complete in 2024. Across the 48 peer-reviewed publications, we describe the methods and protocols for the Expiwell data, the ecological momentary assessment (EMA) data, the fMRI data, and the details of the sample. All the critical details regarding the methodology are in the peer reviewed publications; my opening report simply synthesizes some of the relevant details from these publications and places it into context of other literature and my professional experience to describe the basis for my summary opinions, which are listed individually in the beginning of my report. My original report included a few descriptive findings that had not yet been published. These are shown in Appendix 2. All underlying data for the unpublished work were provided. The methodology for all the unpublished data is described in my report and in the published, peer-reviewed papers from this dataset (Appendix 1). None of my opinions rely on the unpublished data. My opinions are based on the peer reviewed literature writ large, my education, training, and professional experience in schools and as a researcher. Notably, my opinions are not based upon singular data points from any study or collection; but rather, in synthesizing the literature that provides the analysis of data collection of many, many data points. In other words, I have not based an opinion here because one study found X at datapoint 1, but rather on the collective outcomes reported in a body of literature that I have synthesized into opinions here in the context of my education, training, and professional experience.

#### **XVI. Other Miscellaneous Responses to Defendants' Experts**

152. Galvan writes in her MDL report that "Dr. Telzer has previously acknowledged that that 'the length of time adolescents spend using digital media is not reliably associated with maladaptive outcomes, such as depression, anxiety, and risk behavior.'" (Prinstein, Nesi, and Telzer, 2020)." It remains the case that it is not always or solely length of time that reliably relates to maladaptive outcomes, because there are individual differences that predict the strength of these

associations; for instance, some adolescents are more vulnerable, and we must take that into account.

153. Galvan further asserts that I previously stated in the same 2020 source that there is “a paucity of longitudinal data, an under reliance on theoretical frameworks to guide this research area, and a rapidly evolving media landscape that alters the meaning and relevance of constructs under investigation even before data have been analyzed.”

154. Earlier research indeed relied more on correlations and between-person studies than longitudinal data. But the emerging literature since 2020 is large and robust. Ours and others’ recent longitudinal and within-person EMA designs shows strong causal links. Indeed, since 2020, my lab alone has published over a dozen within-person longitudinal studies that contribute to our understanding of causal pathways. The field at large has published hundreds more in this area, further providing causal data.



## Appendix 1

### Publications from the NeuroTeen Study

1. Flannery, J.S., Parr, A.C., Lindquist, K.A., & Telzer, E.H. (in press). Developmental changes in dopamine-related neurophysiology and associations with substance use and incentive-boosted cognitive control. *Developmental Cognitive Neuroscience*.
2. Garrett, S.L., Burnell, K., Trekels, J., Prinstein, M., & Telzer, E. (in press). Understanding adolescents' family communication during COVID-19: An ecological momentary design study. *Developmental Psychology*.
3. Garrett, S.L., Shipkova, M., Prinstein, M.J., Telzer, E.H., & Lindquist, K.L. (in press). Positive and negative sentiment in social media direct messages predicts negative emotion differentiation among adolescents. *Affective Science*.
4. Nesi, J.,\* Burnell, K.,\* Fox, K.A., Armstrong-Carter, E., Field, N.H., Maza, M.T., Garrett, S.L., Kilic, Z., Nick, E.A., Nail, M., Turk, Y., Prinstein, M.J., & Telzer, E.H. (in press). Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness. *Psychology of Popular Media*. \*denotes equal author contribution\*
5. Armstrong-Carter, E., Kwon, S.J., Jorgenson, N., Prinstein, M.J., Lindquist, K.L., & Telzer, E.H. (in press). Socioeconomic status and adolescents' risk-taking behavior: No longitudinal link or differences by neurobiological activation when anticipating social rewards. *Developmental Cognitive Neuroscience*.
6. Field, N.H., Balkind, E., Burnell, K., Fox, K.A., Feldman, M.J., Nick, E.A., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (in press). Popularity, but not likability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence. *Developmental Psychology*. <https://doi.org/10.1037/dev0001914>
7. Haag, A-C., Nick, E.A., Chen, M.S., Telzer, E.H., Prinstein, M.J., & Bonanno, G.A. (in press). Investigating risk profiles of smartphone activities and psychosocial factors in adolescents during the COVID-19 pandemic. *Journal of Research on Adolescence*, 35, 1-17. <https://doi.org/10.1111/jora.13045>
8. Feldman, M.J\*., Capella, J\*., Bonar, A.S., Dai, J., Field, N., Lewis, K., Prinstein, M., Telzer, E.H., Lindquist, K.A. (in press) Proximity within real world adolescent peer networks predicts neural similarity during affective experience. *Social Cognitive and Affective Neuroscience*. \*denotes equal first authorship

9. Armstrong-Carter, E. & Telzer, E.H. (in press). The development of prosocial risk-taking behavior across childhood and adolescence: Mechanisms and opportunities. *Child Development Perspectives*. <https://doi.org/10.1111/cdep.12525>
10. Garrett, S.L., Burnell, K., Armstrong-Carter, E.M., Nelson, B.W., Prinstein, M.J., & Telzer, E.H. (in press). Links between objectively-measured hourly smartphone use and adolescent wake events across two weeks. *Journal of Clinical Child and Adolescent Psychology*. <https://doi.org/10.1080/15374416.2023.2286595>.
11. Nelson, B., Pollak, O.H., Clayton, M., Telzer, E.H., & Prinstein, M.J. (in press). An RDoC-based approach to adolescent self-injurious thoughts and behaviors: The interactive role of social affiliation and cardiac arousal. *Development and Psychopathology*. <https://doi.org/10.1017/S0954579423000251>
12. Fox, K.A., Nick, E., Nesi, J., Telzer, E.H., & Prinstein, M.J. (in press). Why haven't you texted me back? Adolescents' digital entrapment, friendship conflict, and perceived general health. *Journal of Clinical Child and Adolescent Psychology*. <https://doi.org/10.1080/15374416.2023.2261543>
13. Jorgensen, N.A., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2025). Early adolescents' ethnic-racial identity in relation to longitudinal growth in perspective taking. *Developmental Psychology*, 61, 105-112. <https://doi.org/10.1037/dev0001861>
14. Burnell, K., Flannery, J.S., Fox, K.A., Prinstein, M.J., & Telzer, E.H. (2025). U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. *Journal of Children and Media*, 19, 194-212. <https://doi.org/10.1080/17482798.2024.2402272>
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16. Kwon, S., van Hoorn, J., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Age-related changes in ventrolateral prefrontal cortex activation are associated with daily prosocial behaviors two years later. *Developmental Cognitive Neuroscience*, 67, 101394. <https://doi.org/10.1016/j.dcn.2024.101394>
17. Burnell, K., Trekels, J., Prinstein, M.J., & Telzer, E.H. (2024). Adolescents' social comparison on social media: Links with momentary self-evaluations. *Affective Science*, 5, 295–299. <https://doi.org/10.1007/s42761-024-00240-6>
18. Do, K.D. & Telzer, E.H. (2024) Longitudinal changes in the value and influence of parent and peer attitudes about externalizing behaviors across adolescence. *Developmental Psychology*, 60(8), 1500–1510. <https://doi.org/10.1037/dev0001715> [preregistration]

19. Burnell, K., Garrett, S.L., Nelson, B.W., Prinstein, M.J., & Telzer, E.H. (2024). Daily links between objective smartphone use and sleep among adolescents. *Journal of Adolescence*, 96, 1171-1181. <https://doi.org/10.1002/jad.12326>
20. Do, K.D., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Neural tracking of perceived parent, but not peer, norms is associated with longitudinal changes in adolescent attitudes about externalizing behaviors. *Journal of Cognitive Neuroscience*, 36, 1221-1237. [https://doi.org/10.1162/jocn\\_a\\_02152](https://doi.org/10.1162/jocn_a_02152).
21. Kwon, S., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Friendship changes differentially predict neural correlates of decision-making for friends across adolescence. *Developmental Cognitive Neuroscience*, 65, 101342. <https://doi.org/10.1016/j.dcn.2024.101342>
22. Flannery, J.S., Burnell, K., Kwon, S., Jorgensen, N.A., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive Affective Neuroscience*, 19, nsae008. <https://doi.org/10.1093/scan/nsae008>
23. Trekels, J., Nesi, J., Burnell, K., Prinstein, M.J., & Telzer, E.H. (2024). Dispositional and social correlates of digital status seeking among adolescents. *Cyberpsychology, Behavior, and Social Networking*, 187-193. <https://doi.org/10.1089/cyber.2023.0342>
24. Maza, M.T., Kwon, S., Jorgensen, N.A., Capella, J., Lindquist, K., Prinstein, M.J., & Telzer, E.H. (2024). Neurobiological sensitivity to popular peers moderates daily links between social media use and daily affect. *Developmental Cognitive Neuroscience*, 64, 101335. <https://doi.org/10.1016/j.dcn.2023.101335> [preregistration]
25. Capella, J., Jorgenson, N.A., Kwon, S., Maza, M.T., Prinstein M.J., Lindquist, K.A., & Telzer, E.H. (2023). Adolescents' neural sensitivity to high and low popularity: Longitudinal links to risk-taking and prosocial behavior. *Developmental Cognitive Neuroscience*, 63, 101290. <https://doi.org/10.1016/j.dcn.2023.101290>
26. Dai, J., Jorgensen, N.A., Duel, N., Capella, J., Maza, M., Kwon, S-J., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neural tracking of social hierarchies in adolescents' real-world social networks. *Social Cognitive Affective Neuroscience*, 18, nsad064. <https://doi.org/10.1093/scan/nsad064>
27. Garrett, S.L., Burnell, K., Armstrong-Carter, E.L., Prinstein, M.J., & Telzer, E.H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence*, 33, 1222-1234. <https://doi.org/10.1111/jora.12871>
28. Flannery, J.S., Jorgensen, N.A., Kwon, S., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A. (2023). Developmental changes in habenular and striatal social reinforcement responsivity

- across adolescence linked with substance use. *Biological Psychiatry*, 94, 888-897. <https://doi.org/10.1016/j.biopsych.2023.04.018>
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  32. Pollak, O.H., Kwon, S., Jorgensen, N.A., Lindquist, K.A., Telzer, E.H., & Prinstein, M.J. (2023). Neural reactivity to social punishment predicts future engagement in nonsuicidal self-injury among peer-rejected adolescents. *Biological Psychiatry*, 94, 40-49. <https://doi.org/10.1016/j.biopsych.2022.09.030>
  33. Jorgensen, N.A., Muscatell, K.A., McCormick, E.M., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neighborhood disadvantage, race, and neural sensitivity to social threat and reward among adolescents. *Social Cognitive Affective Neuroscience*, 18, nsac053. <https://doi.org/10.1093/scan/nsac053>
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  35. Armstrong-Carter, E., Do, K.T., Duell, N., Kwon, S., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Adolescents' perceptions of social risk and prosocial tendencies: Developmental change and individual differences. *Social Development*, 32, 188-203. <https://doi.org/10.1111/sode.12630>
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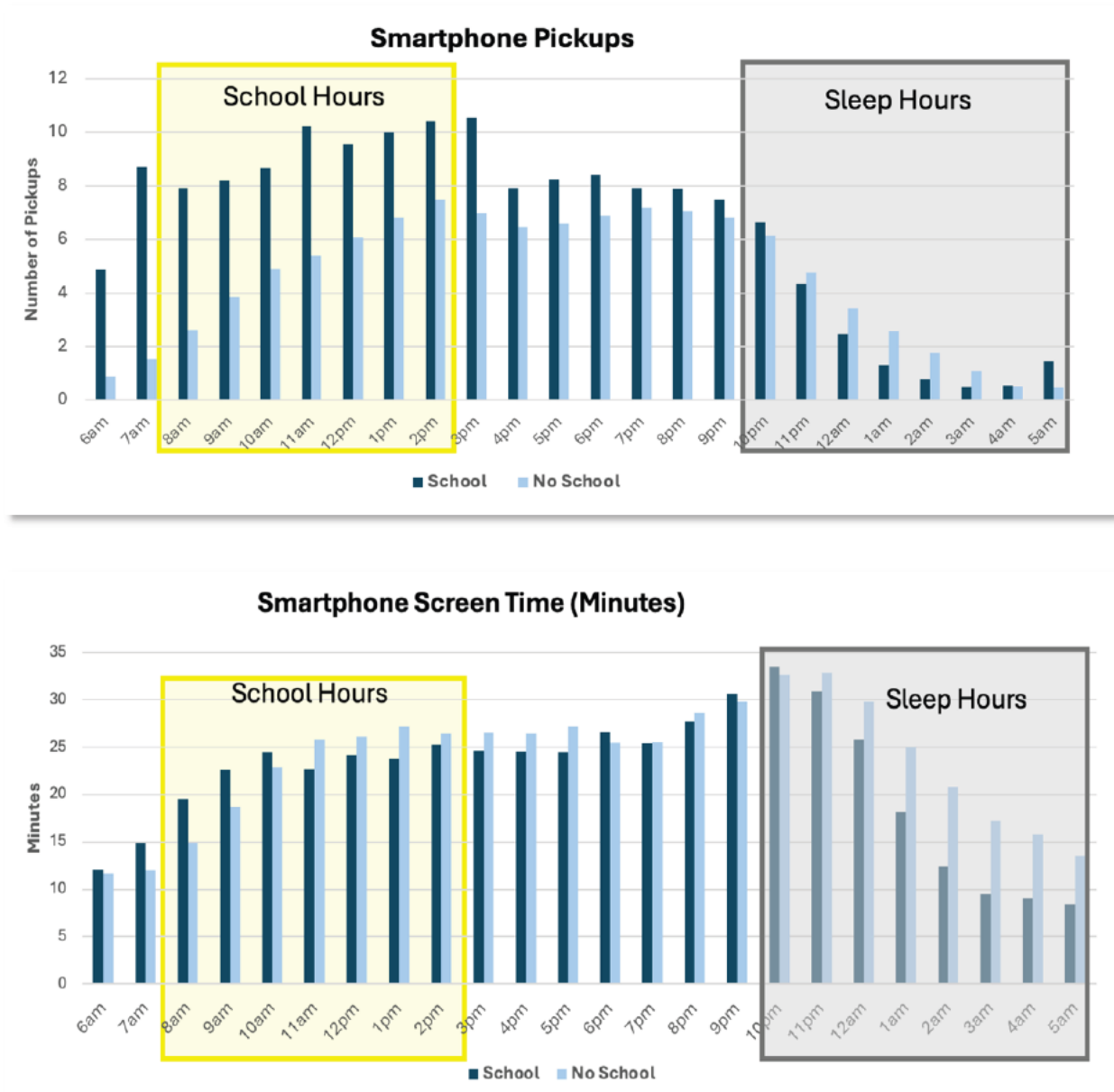
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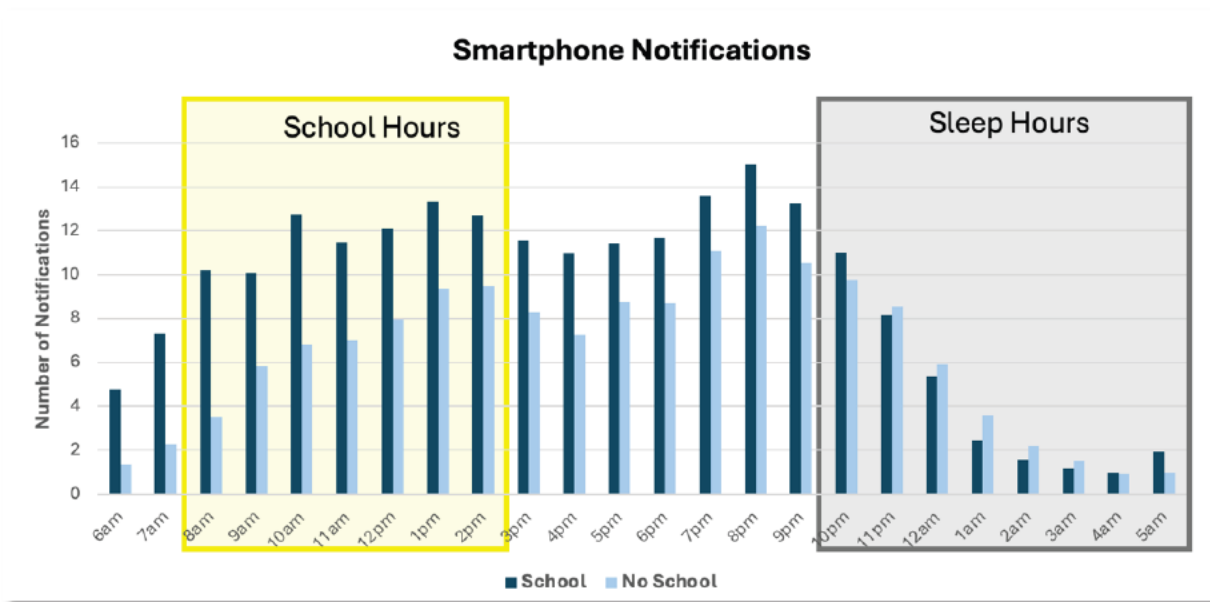


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## Appendix 2

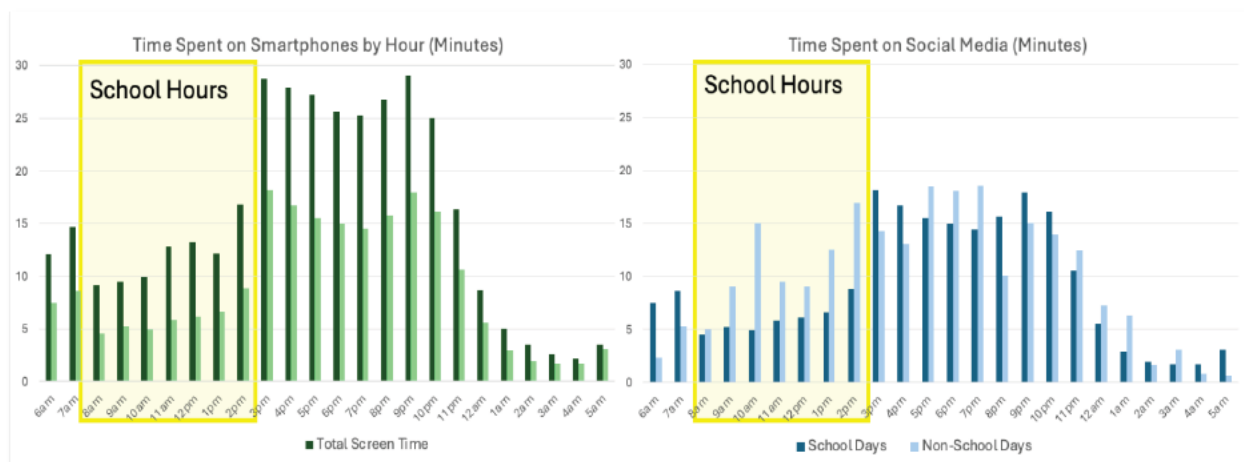
Figures in original Telzer report that included data that has not yet been published.





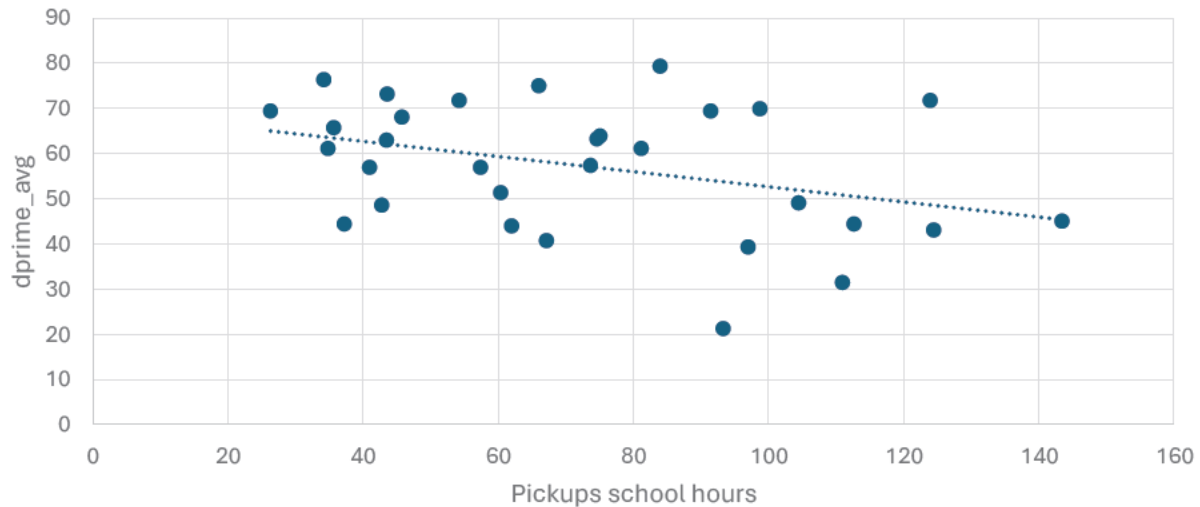
**Figure note.** Figure shows number of pickups (top panel), total minutes on smartphone (middle panel), and number of notifications received (bottom panel) for each hour of the day. School hours (8am-3pm) are highlighted in yellow, and sleep hours (10pm-5am) are highlighted in grey. School days (dark blue bars) and non-school days (light blue bars) are each shown across the 24-hour day. Image created by Eva Telzer for this report

**Data availability:** The data used to create these figures are in the excel file “Smartphone Data Shared MDL”. The data on the left of Sheet1 shows the Primary Study and the averages for each hour of the day.



**Figure note.** The right figure shows total minutes on smartphone (right figure, dark green bars), and total minutes on social media apps (right figure, light green bars) for each hour of the day. School hours (8am -3pm) are highlighted in yellow. The left figure shows time spent on social media across the day on school days (dark blue bars left panel) and non-school days (light blue bars left panel). Image created by Eva Telzer for this report.

**Data availability:** The data used to create these figures are in the excel file “Smartphone Data Shared MDL”. The data on the right of Sheet1 shows the Preliminary Study and the averages for each hour of the day.



**Figure note.** Image shows the correlation between pickups during school hours (x-axis) and adolescents' d-prime (y-axis), an experimental measure of adolescents' cognitive control. Each dot represents one participant in the study. Image created by Eva Telzer for this report.

**Data availability:** The data used to create these figures are in the excel file “Pickups dprime Data Shared MDL”. The data include the average pickups for each participant and the average d prime for each participant. Each row represents one participant.

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GOOG-3047MDL-01922869	GOOG-3047MDL-01922879
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GOOG-3047MDL-01275937	GOOG-3047MDL-01275967
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SNAP1267538	SNAP1267538
GOOG-3047MDL-01903132	GOOG-3047MDL-01903133
SNAP2713404	SNAP2713405
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GOOG-3047MDL-02287803	GOOG-3047MDL-02287806
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GOOG-3047MDL-05659775.ECM	GOOG-3047MDL-05659782.ECM
GOOG-3047MDL-05039951	GOOG-3047MDL-05039951
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GOOG-3047MDL-01719787	GOOG-3047MDL-01719787
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SNAP0332716	SNAP0332720
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TIKTOK3047MDL-039-LARK-00214455	TIKTOK3047MDL-039-LARK-00214455
GOOG-3047MDL-03705514	GOOG-3047MDL-03705514
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GOOG-3047MDL-00874191	GOOG-3047MDL-00874191

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GOOG-3047MDL-01268284	GOOG-3047MDL-01268284
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GOOG-3047MDL-01266470	GOOG-3047MDL-01266490
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META3047MDL-037-00032900	META3047MDL-037-00032937

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GOOG-3047MDL-04918852	GOOG-3047MDL-04918852
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META3047MDL-019-00036714	META3047MDL-019-00036714
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GOOG-3047MDL-02086033	GOOG-3047MDL-02086033
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TIKTOK3047MDL-001-00000812	TIKTOK3047MDL-001-00000812
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META3047MDL-003-00191207	META3047MDL-003-00191217
META3047MDL-163-00001583	META3047MDL-163-00001640
GOOG-3047MDL-02616134	GOOG-3047MDL-02616135
META3047MDL-019-00092508	META3047MDL-019-00092508
META3047MDL-020-00340104	META3047MDL-020-00340107

META3047MDL-014-00054063	META3047MDL-014-00054094
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META3047MDL-020-00270857	META3047MDL-020-00270858
TIKTOK3047MDL-024-LARK-00026665	TIKTOK3047MDL-024-LARK-00026667
META3047MDL-014-00377295	META3047MDL-014-00377298
META3047MDL-163-00045441	META3047MDL-163-00045570
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GOOG-3047MDL-04366467	GOOG-3047MDL-04366483
GOOG-3047MDL-01601386	GOOG-3047MDL-01601386
GOOG-3047MDL-01968228	GOOG-3047MDL-01968230
GOOG-3047MDL-04499425	GOOG-3047MDL-04499425
GOOG-3047MDL-00725566	GOOG-3047MDL-00725566
GOOG-3047MDL-05733243	GOOG-3047MDL-05733256
GOOG-3047MDL-01594831	GOOG-3047MDL-01594831
GOOG-3047MDL-01488546	GOOG-3047MDL-01488546
GOOG-3047MDL-00408442	GOOG-3047MDL-00408442
GOOG-3047MDL-01777806	GOOG-3047MDL-01777833
GOOG-3047MDL-00217656	GOOG-3047MDL-00217664
META3047MDL-020-00589181	META3047MDL-020-00589181
META3047MDL-072-00327080	META3047MDL-072-00327096
META3047MDL-050-00066561	META3047MDL-050-00066597
META3047MDL-050-00215015	META3047MDL-050-00215029
META3047MDL-050-00239392	META3047MDL-050-00239408
META3047MDL-065-00123071	META3047MDL-065-00123102
TIKTOK3047MDL-004-00294514	TIKTOK3047MDL-004-00294545
TIKTOK3047MDL-004-00318045	TIKTOK3047MDL-004-00318073
TIKTOK3047MDL-021-LARK-00001415	TIKTOK3047MDL-021-LARK-00001421

TIKTOK3047MDL-021-LARK-00006955	TIKTOK3047MDL-021-LARK-00006962
TIKTOK3047MDL-060-01143638	TIKTOK3047MDL-060-01143649
TIKTOK3047MDL-081-02351723	TIKTOK3047MDL-081-02351723
TIKTOK3047MDL-099-LARK-04803417	TIKTOK3047MDL-099-LARK-04803425
TIKTOK3047MDL-177-LARK-07618640	TIKTOK3047MDL-177-LARK-07618649
SNAP7421940	SNAP7421976
SNAP7428655	SNAP7428656
SNAP7428962	SNAP7428963
META3047MDL-044-00171345	META3047MDL-044-00171371
META3047MDL-019-00059532	META3047MDL-019-00059532
META3047MDL-034-00480382	META3047MDL-034-00480391
META3047MDL-044-00177104	META3047MDL-044-00177105
META3047MDL-020-00253760	META3047MDL-020-00253818
META3047MDL-044-00091392	META3047MDL-044-00091392
META3047MDL-004-00023267	META3047MDL-004-00023269
META3047MDL-014-00330624	META3047MDL-014-00330625
META3047MDL-003-00051814	META3047MDL-003-00051820
META3047MDL-014-00275614	META3047MDL-014-00275614
META3047MDL-072-00317597	META3047MDL-072-00317616
GOOG-3047MDL-00000280	GOOG-3047MDL-00000283



GOOG-3047MDL-01621942	GOOG-3047MDL-01621954
GOOG-3047MDL-01693424	GOOG-3047MDL-01693462
GOOG-3047MDL-05630293.ECM	GOOG-3047MDL-05630301.ECM
GOOG-3047MDL-04805860	GOOG-3047MDL-04805860
GOOG-3047MDL-01995943	GOOG-3047MDL-01995950
GOOG-3047MDL-04683365	GOOG-3047MDL-04683368
SNAP7301586	SNAP7301950
META-3047MDL-020-00711513	META 3047MDL-020-00711524
META3047MDL-003-00179481	META3047MDL-003-00179494

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Substance Use &amp; Misuse</i>	†Andrade, F. A.	Burnell, K., Godwin, J., & Hoyle, R. H.
2023	<i>JMIR Mental Health</i>	†Andrade, F.	†Erwin, S., Burnell, K., †Jackson, J., †Storch, M., †Nicholas, J., & Zucker, N.
2023	<i>Journal of Health Psychology</i>	†Andrade, F.	Hoyle, R. H., & Burnell, K.
2025	<i>Developmental Psychology</i>	†Field, N.	†Balkind, E., Burnell, K., †Fox, K. A., †Feldman, M. J., Telzer, E. H., & Prinstein, M. J.

**Literature Review - Article NameTitle**

Alcohol use and abstinence throughout adolescence: The changing contributions of perceived risk of drinking, opportunities to drink, and self-control

Intervening on social comparisons on social media: An electronic daily diary pilot study

Adjusting to the COVID-19 outbreak in the United States: The impact of disruptions on habits and changes in health behaviors

Popularity, but not likeability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence

### Literature Review - APA Publication Cite

†Andrade, F. A., Burnell, K., Godwin, J., & Hoyle, R. H. (2024). Alcohol use and abstinence throughout adolescence: The changing contributions of perceived risk of drinking, opportunities to drink, and self-control. *Substance Use & Misuse*, 59, 910-919.

†Andrade, F., †Erwin, S., Burnell, K., †Jackson, J., †Storch, M., †Nicholas, J., & Zucker, N. (2023). Intervening on social comparisons on social media: An electronic daily diary pilot study. *JMIR Mental Health*, 10, e42024.

†Andrade, F., Hoyle, R. H., & Burnell, K. (2023). Adjusting to the COVID-19 outbreak in the United States: The impact of disruptions on habits and changes in health behaviors. *Journal of Health Psychology*, 28, 1307-1319.

†Field, N., †Balkind, E., Burnell, K., †Fox, K. A., †Feldman, M. J., Telzer, E. H., & Prinstein, M. J. (2025). Popularity, but not likeability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence. *Developmental Psychology*. Advance Online Publication.

2023	<i>Journal of Clinical Child and Adolescent Psychology</i>	†Garrett, S. L.	Burnell, K., Armstrong-Carter, E., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.
2023	<i>Journal of Research on Adolescence</i>	†Garrett, S. L.	Burnell, K., Armstrong-Carter, E., Prinstein, M. J., & Telzer, E. H.
2021	<i>5Rights Foundation.</i>	5Rights Foundation.	N/A
2024	<i>Social Science Research Network</i>	Abrahamsson, S.	N/A
2017	<i>Neuron</i>	Abrahao, K. P.	Salinas, A. G., & Lovinger, D. M.

Links between objectively-measured  
smartphone use and adolescent wake events  
across two weeks

Linking video chatting, phone calling, text  
messaging, and social media with peers to  
adolescent connectedness

Pathways: How digital design puts children  
at risk.

Smartphone Bans, Student Outcomes and Men

Alcohol and the Brain: Neuronal Molecular  
Targets, Synapses, and Circuits

†Garrett, S. L., Burnell, K., Armstrong-Carter, E., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2023). Links between objectively-measured smartphone use and adolescent wake events across two weeks. *Journal of Clinical Child and Adolescent Psychology*. Advance Online Publication.

†Garrett, S. L., Burnell, K., Armstrong-Carter, E., Prinstein, M. J., & Telzer, E. H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence*. Advance Online Publication.

5Rights Foundation. (2021) Pathways: How digital design puts children at risk. 5Rights Foundation

Abrahamsson, S. (2024). Smartphone Bans, Student Outcomes and Mental Health. *Social Science Research Network*, 0804-6824 . <https://doi.org/10.2139/ssrn.4735240>

Abrahao, K. P., Salinas, A. G., & Lovinger, D. M. (2017). Alcohol and the Brain: Neuronal Molecular Targets, Synapses, and Circuits. *Neuron*, 96(6), 1223–1238. <https://doi.org/10.1016/j.neuron.2017.10.032>

2022	<i>Current Psychology</i>	Acar	Avcilar, Yazici, Bostanci
2022	<i>Developmental Cognitive Neuroscience</i>	Achterberg, M.	Becht, A., van der Cruijssen, R., van de Groep, I. H., Spaans, J. P., Klapwijk, E., & Crone, E. A.
2022	<i>Computers in Human Behavior</i>	Achterhof	Kirtley, Schneider, Hagemann, Hermans, Hiekkaranta, Lecei, Lafit, & Myin-Germeys
ACRI	<i>JAMA Psychiatry</i>	Addiction Cue-Reactivity Initiative (ACRI) Network	Sangchooli, A., et al.
2004	<i>Harv Rev Psychiatry.</i>	Adinoff B.	N/A



The roles of adolescents' emotional problems and social media addiction on their self-esteem

Longitudinal associations between social media use, mental well-being and structural brain development across adolescence

Adolescents' real-time social and affective experiences of online and face-to-face interactions

Parameter Space and Potential for Biomarker Development in 25 Years of fMRI Drug Cue Reactivity: A Systematic Review

Neurobiologic Processes in Drug Reward and Addiction.

Acar, I.H., Avcılar, G., Yazıcı, G. *et al.* (2022). The roles of adolescents' emotional problems and social media addiction on their self-esteem. *Current Psychology* , 41(10). 6838–6847  
<https://doi.org/10.1007/s12144-020-01174-5>

Achterberg, M., Becht, A., van der Crujisen, R., van de Groep, I. H., Spaans, J. P., Klapwijk, E., & Crone, E. A. (2022). Longitudinal associations between social media use, mental well-being and structural brain development across adolescence. *Developmental Cognitive Neuroscience*, 54, 101088.

Achterhof, R., Kirtley, O. J., Schneider, M., Hagemann, N., Hermans, K. S. F. M., Hiekkaranta, A. P., Lecei, A., Lafit, G., & Myin-Germeys, I. (2022). Adolescents' real-time social and affective experiences of online and face-to-face interactions. *Computers in Human Behavior* , 129 , 107159. <https://doi.org/10.1016/j.chb.2021.107159>

Addiction Cue-Reactivity Initiative (ACRI) Network, Sangchooli, A., et al., (2024). Parameter Space and Potential for Biomarker Development in 25 Years of fMRI Drug Cue Reactivity: A Systematic Review. *JAMA Psychiatry*, 81(4), 414.  
<https://doi.org/10.1001/jamapsychiatry.2023.5483>

Adinoff B. (2004) Neurobiologic processes in drug reward and addiction. *Harv Rev Psychiatry*, 12(6):305-20.

2021	<i>Canadian Sociological Review</i>	Adorjan	Ricciardelli
2024	<i>Brain Imaging Behav.</i>	Áfra, E.	Janszky J, Perlaki G, Orsi G, Nagy SA, Arató Á, Szente A, Alhour HAM, Kis-Jakab G, Darnai G.
2020	<i>Journal of Applied Research in Higher Education</i>	Agadullina, E. R.	Lovakov, A., & Kiselnikov
2017	<i>Computers in Human Behavior</i>	Ahadzadeh	Sharif, Ong
1989	<i>American Psychologist</i>	Ainsworth, M. S.	N/A

Smartphone and social media addiction:  
Exploring the perceptions and experiences of  
Canadian teenagers

Altered functional brain networks in  
problematic smartphone and social media  
use: resting-state fMRI study

Does quitting social networks change  
feelings of loneliness among freshmen? An  
experimental study

Self-schema and self-discrepancy mediate the  
influence of Instagram usage on body image  
satisfaction among youth

Attachments beyond infancy

Adorjan, M., & Ricciardelli, R. (2021). Smartphone and social media addiction: Exploring the perceptions and experiences of Canadian teenagers. *Canadian Review of Sociology/Revue Canadienne de Sociologie*, 58 (1), 45–64. <https://doi.org/10.1111/cars.12319>

Áfra E, Janszky J, Perlaki G, Orsi G, Nagy SA, Arató Á, Szenté A, Alhour HAM, Kis-Jakab G, Darnai G. (2024). Altered functional brain networks in problematic smartphone and social media use: resting-state fMRI study. *Brain Imaging Behav.* 2024 Apr;18(2):292-301. doi: 10.1007/s11682-023-00825-y. Epub 2023 Dec 5. PMID: 38049599; PMCID: PMC11156717.

Agadullina, E. R., Lovakov, A., & Kiselnikova, N. V. (2020). Does quitting social networks change feelings of loneliness among freshmen? An experimental study. *Journal of Applied Research in Higher Education*, 13 (1), 149–163. <https://doi.org/10.1108/jarhe-11-2019-0283>

Ahadzadeh, A. S., Pahlevan Sharif, S., & Ong, F. S. (2017). Self-schema and self-discrepancy mediate the influence of Instagram usage on body image satisfaction among youth. *Computers in Human Behavior*, 68 (68), 8–16. <https://doi.org/10.1016/j.chb.2016.11.011>

Ainsworth, M. S. (1989). Attachments beyond infancy. *American Psychologist*, 44(4), 709–716. <https://doi.org/10.1037/0003-066X.44.4.709>

2014	<i>Substance Abuse and Rehabilitation</i>	Wackernah, R. C.	Minnick, M. J., & Clapp, P.
2007	<i>Neuropsychiatric disease and treatment</i>	Alhola, P.	Polo-Kantola, P.
2020	<i>American Economic Review</i>	Allcott, H.	Braghieri, L., Eichmeyer, S., Gentzkow, M.
2025	N/A	Allcott, H.	Gentzkow, M., Wittenbrink, B., Cisneros, J. C., Crespo-Tenorio, A., Dimmery, D., Freelon, D., González-Bailón, S., Guess, A., Kim, Y. M., Lazer, D., Malhotra, N.,
2014	<i>The Australian Educational and developmental Psychologist</i>	Allen, K. A.	Ryan, T., Gray, D. L. McInerney, D. M. & Waters, L.

Alcohol use disorder: Pathophysiology, effects, and pharmacologic options for treatment.

Sleep deprivation: Impact on cognitive performance

The Welfare Effects of Social Media

The Effect of Deactivating Facebook and Instagram on Users' Emotional State

Social media use and social connectedness in adolescents: The positives and possible pitfalls

Wackernah, R. C., Minnick, M. J., & Clapp, P. (2014). Alcohol use disorder: Pathophysiology, effects, and pharmacologic options for treatment. *Substance abuse and rehabilitation*, 5, 1–12. <https://doi.org/10.2147/SAR.S37907>

Alhola, P., & Polo-Kantola, P. (2007). Sleep deprivation: Impact on cognitive performance. *Neuropsychiatric disease and treatment*, 3 (5), 553–567.

Allcott, H., Braghieri, L., Eichmeyer, S., & Gentzkow, M. (2020). The Welfare Effects of Social Media. *American Economic Review*, 110 (3), 629–676. <https://doi.org/10.1257/aer.20190658>

Allcott, H., Gentzkow, M., Wittenbrink, B., Cisneros, J. C., Crespo-Tenorio, A., Dimmery, D., Freelon, D., González-Bailón, S., Guess, A., Kim, Y. M., Lazer, D., Malhotra, N., Moehler, D., Nair-Desai, S., Nyhan, B., Pan, J., Settle, J., Thorson, E., Tromble, R., & Rivera, C. V. (2025). The Effect of Deactivating Facebook and Instagram on Users' Emotional State. National Bureau of Economic Research. Working Paper Series (National Bureau of Economic Research). <https://www.nber.org/papers/w33697>. <http://dx.doi.org/10.3386/w33697>

Allen, K. A., Ryan, T., Gray, D. L. McInerney, D. M. & Waters, L. (2014). Social media use and social connectedness in adolescents: The positives and possible pitfalls. *The Australian Educational and developmental Psychologist*, 31(1), 18-31. doi:10.1017/edp.2014.2



2022	N/A	Aloteibi, S.	N/A
2024	<i>Acta Paediatrica</i>	Al-Shoaibi, A. A. A.	Zamora, G., Chu, J., Patel, K. P., Ganson, K. T., Testa, A., ... Nagata, J. M.
2019	<i>Journal of Big Data.</i>	Alzuabi I.	Jafar A, Aljoumaa K.
2013/2022	N/A	American Psychiatric Association	N/A
2014	<i>Behavioural Brain Research</i>	Ames, S. L.	Wong, S. W., Bechara, A., Cappelli, C., Dust, M., Grenard, J. L., & Stacy, A. W.

The Impact of Smartphone Usage on Students: Teachers' Perspectives and Classroom Policies

Family conflict and less parental monitoring were associated with greater screen time in early adolescence.

Predicting customer's gender and age depending on mobile phone data.

Diagnostic and Statistical Manual of Mental Disorders (5th ed., text rev.)

Neural correlates of a Go/NoGo task with alcohol stimuli in light and heavy young drinkers

Aloteibi, S. (2022). The Impact of Smartphone Usage on Students: Teachers' Perspectives and Classroom Policies. ProQuest LLC. <http://www.proquest.com/en-US/products/dissertations/individuals.shtml>.  
<https://eric.ed.gov/?q=How+does+personal+technology+usage+affect+the+cognitive+development+of+school+aged+kids+in+America%3f&pg=2&id=ED648292>

Al-Shoaibi, A. A. A., Zamora, G., Chu, J., Patel, K. P., Ganson, K. T., Testa, A., ... Nagata, J. M. (2024). Family conflict and less parental monitoring were associated with greater screen time in early adolescence. *Acta Paediatrica*, 113, 2452-2458.

Al-Zuabi, I. M., Jafar, A., & Aljoumaa, K. (2019). Predicting customer's gender and age depending on mobile phone data. *Journal of Big Data*, 6 (1). <https://doi.org/10.1186/s40537-019-0180-9>

American Psychiatric Association. (2013/2022). Diagnostic and Statistical Manual of Mental Disorders (5th ed., text rev.). <https://doi.org/10.1176/appi.books.9780890425787>.

Ames, S. L., Wong, S. W., Bechara, A., Cappelli, C., Dust, M., Grenard, J. L., & Stacy, A. W. (2014). Neural correlates of a Go/NoGo task with alcohol stimuli in light and heavy young drinkers. *Behavioural Brain Research*, 274, 382–389.  
<https://doi.org/10.1016/j.bbr.2014.08.039>

2016	<i>Current Biology</i>	Anderson, B. A.	Kuwabara, H., Wong, D. F., Gean, E. G., Rahmim, A., Brašić, J. R., George, N., Frolov, B., Courtney, S. M., & Yantis, S.
2023	<i>Pew Research Center</i>	Anderson, M.	Faverio, M., Gottfried, J.
2016	<i>Psychology of Addictive Behaviors</i>	Andreassen, C. S.	Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S.
2012	<i>Psychological reports</i>	Andreassen, C. S.	Torsheim, T., Brunborg, G. S., & Pallesen, S.
2012	<i>Psychological Reports</i>	Andreassen, C.S.	Torsheim, T., Brunborg, G. S., & Pallesen, S.

The Role of Dopamine in Value-Based Attentional Orienting
Teens, Social Media and Technology 2023
Bergen Social Media Addiction Scale
Development of a Facebook Addiction Scale
Development of a Facebook Addiction Scale

Anderson, B. A., Kuwabara, H., Wong, D. F., Gean, E. G., Rahmim, A., Brašić, J. R., George, N., Frolov, B., Courtney, S. M., & Yantis, S. (2016). The Role of Dopamine in Value-Based Attentional Orienting. *Current Biology*, 26(4), 550–555.  
<https://doi.org/10.1016/j.cub.2015.12.062>

Anderson, M., Faverio, M., Gottfried, J. (2023). Teens, Social Media and Technology 2023, Pew Research Center , <https://www.pewresearch.org/internet/2023/12/11/teens-social-media-and-technology-2023> ;

Andreassen, C. S., Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S. (2016). Bergen Social Media Addiction Scale. *Psychology of Addictive Behaviors*. <https://doi.org/10.1037/t74607-000>

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<https://doi.org/10.2466/02.09.18.PR0.110.2.501-517>

Andreassen, C. S., Torsheim, T., Brunborg, G. S., & Pallesen, S. (2012). Development of a Facebook Addiction Scale. *Psychological Reports*, 110(2), 501-517. <https://doi.org/10.2466/02.09.18.PR0.110.2.501-517> (Original work published 2012)

2019	<i>Review of General Psychology</i>	Appel	Marker, Gnambs
2025	<i>Nature</i>	N/A	N/A
2023	<i>Developmental Psychology</i>	Armstrong-Carter	Garrett, Nick, Prinstein, & Telzer
2023	<i>Developmental Psychology</i>	Armstrong-Carter, E.	Garrett, S. L., Nick, E. A., Prinstein, M. J., & Telzer, E. H.
2020	<i>Developmental Psychology</i>	Armstrong-Carter, E†.	Telzer, E.H.

Are Social Media Ruining Our Lives? A Review of Meta-Analytic Evidence

Are screens harming teens? What scientists can do to find answers.

Momentary Links Between Adolescents' Social Media Use and Social Experiences and Motivations: Individual Differences by Peer Susceptibility.

Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility

Family meals buffer the daily emotional risk associated with family conflict



Appel, M., Marker, C., & Gnambs, T. (2019). Are Social Media Ruining Our Lives? A Review of Meta-Analytic Evidence. *Review of General Psychology*, 24(1), 60-74. <https://doi.org/10.1177/1089268019880891>

Are screens harming teens? What scientists can do to find answers. (2025) *Nature*, 640(8057):7-8. doi: 10.1038/d41586-025-00991-7. PMID: 40175758.

Armstrong-Carter, E., Garrett, S. L., Nick, E. A., Prinstein, M. J., & Telzer, E. H. (2023). Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility. *Developmental Psychology*, 59(4), 707–719. <https://doi.org/10.1037/dev0001503>

Armstrong-Carter, E., Garrett, S. L., Nick, E. A., Prinstein, M. J., & Telzer, E. H. (2023). Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility. *Developmental Psychology*, 59(4), 707–719. <https://doi.org/10.1037/dev0001503>

Armstrong-Carter, E.†. & Telzer, E.H. (2020). Family meals buffer the daily emotional risk associated with family conflict. *Developmental Psychology*, 56, 2110-2120. <https://doi.org/10.1037/dev0001111>

2021	<i>Child Development Perspectives</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Journal of Family Psychology</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Developmental Psychobiology</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Journal of Research on Adolescence</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Current Research in Behavioral Sciences</i>	Armstrong-Carter, E†.	Telzer, E.H.

Advancing measurement and research on youths' prosocial behavior in the digital age
Bi-directional spillover across days between family assistance and physical health experiences during adolescence
Daily provision of instrumental and emotional support to friends is associated with diurnal cortisol during adolescence
Family assistance spills over into prosocial behaviors toward friends and positive academic behaviors
Understanding prosocial development in the context of systemic inequalities in the US and worldwide

Armstrong-Carter, E†. & Telzer, E.H. (2021). Advancing measurement and research on youths' prosocial behavior in the digital age. *Child Development Perspectives* , 15, 31-36. <https://doi.org/10.1111/cdep.12396>

Armstrong-Carter, E†. & Telzer, E.H. (2021). Bi-directional spillover across days between family assistance and physical health experiences during adolescence. *Journal of Family Psychology* , 35, 875-885. <https://doi.org/10.1037/fam0000836>

Armstrong-Carter, E†. & Telzer, E.H. (2021). Daily provision of instrumental and emotional support to friends is associated with diurnal cortisol during adolescence. *Developmental Psychobiology* , 63, 1266-1278. <https://doi.org/10.1002/dev.22101>

Armstrong-Carter, E†. & Telzer, E.H. (2021). Family assistance spills over into prosocial behaviors toward friends and positive academic behaviors. *Journal of Research on Adolescence* , 31, 1188-1201. <https://doi.org/10.1111/jora.12629>

Armstrong-Carter, E†. & Telzer, E.H. (2021). Understanding prosocial development in the context of systemic inequalities in the US and worldwide. *Current Research in Behavioral Sciences* , 2, 100040. <https://doi.org/10.1016/j.crbeha.2021.100040>

2022	<i>Comprehensive Psychoneuroendocrinology</i>	Armstrong-Carter, E†.	Telzer, E.H.
2022	<i>Scientific Reports</i>	Armstrong-Carter, E†.	Telzer, E.H.
(in press)	<i>Child Development Perspectives</i>	Armstrong-Carter, E†.	Telzer, E.H.
2022	<i>Journal of Research on Adolescence</i>	Armstrong-Carter, E†.	Bibby, E†., Burroughs, M†., Flannery, J†., Duell, N†., Nelson, B†., Prinstein, M.J., & Telzer, E.H.
2021	<i>Journal of Adolescence</i>	Armstrong-Carter, E†.	Do, K.T†., Guassi Moreira, J.F†., Prinstein, M.J. & Telzer, E.H.

Adolescents take more risks on days they have high diurnal cortisol or emotional distress
Biological sensitivity to environmental context fluctuates dynamically within individuals from day to day.
The development of prosocial risk-taking behavior across childhood and adolescence: Mechanisms and opportunities
Adolescents are more likely to help others on days they take risks and crave social connections
Examining a new prosocial risk-taking scale in a longitudinal sample of ethnically diverse adolescents

Armstrong-Carter, E<sup>†</sup>. & Telzer, E.H. (2022). Adolescents take more risks on days they have high diurnal cortisol or emotional distress. *Comprehensive Psychoneuroendocrinology* , 9, 100106. <https://doi.org/10.1016/j.cpnec.2021.100106>

Armstrong-Carter, E<sup>†</sup>. & Telzer, E.H. (2022). Biological sensitivity to environmental context fluctuates dynamically within individuals from day to day. *Scientific Reports* , 12, 11134. <https://doi.org/10.1038/s41598-022-14481-7>

Armstrong-Carter, E<sup>†</sup>. & Telzer, E.H. (in press). The development of prosocial risk-taking behavior across childhood and adolescence: Mechanisms and opportunities. *Child Development Perspectives*. <https://doi.org/10.1111/cdep.12525>

Armstrong-Carter, E<sup>†</sup>., Bibby, E<sup>†</sup>., Burroughs, M<sup>†</sup>., Flannery, J<sup>†</sup>., Duell, N<sup>†</sup>., Nelson, B<sup>†</sup>., Prinstein, M.J., & Telzer, E.H. (2022). Adolescents are more likely to help others on days they take risks and crave social connections. *Journal of Research on Adolescence*, 32, 1421-1432. <http://doi.org/10.1111/jora.12705>

Armstrong-Carter, E<sup>†</sup>., Do, K.T<sup>†</sup>., Guassi Moreira, J.F<sup>†</sup>., Prinstein, M.J. & Telzer, E.H. (2021). Examining a new prosocial risk-taking scale in a longitudinal sample of ethnically diverse adolescents. *Journal of Adolescence* , 93, 222-233. <https://doi.org/10.1016/j.adolescence.2021.11.002>

2023	<i>Social Development</i>	Armstrong-Carter, E†.	Do. K.T†., Duell, N†., Kwon, S†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H.
2022	<i>Scientific Reports</i>	Armstrong-Carter, E†.	Fuligni, A.J., Wu, X., Gonzales, N., & Telzer, E.H.
2023	<i>Developmental Psychology</i>	Armstrong-Carter, E†.	Garrett, S.L†., Nick, E.A., Prinstein, M.J., & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	Armstrong-Carter, E†.	Guassi Moreira, J†., Ivory, S†., & Telzer, E.H.
2020	<i>Child Development</i>	Armstrong-Carter, E†.	Ivory, S†., Lin, L.C†., Muscatell, K.A., & Telzer, E.H.



Adolescents' perceptions of social risk and prosocial tendencies: Developmental change and individual differences

A 28-day, two-year study reveals that adolescents are more fatigued and distress on days with greater NO<sub>2</sub> and CO air position

Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility

Daily links between helping behaviors and emotional well-being during late adolescence

Role fulfillment mediates the relationship between daily family assistance and cortisol awakening response in adolescents

Armstrong-Carter, E†., Do. K.T†., Duell, N†., Kwon, S†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Adolescents' perceptions of social risk and prosocial tendencies: Developmental change and individual differences. *Social Development*, 32, 188-203. <https://doi.org/10.1111/sode.12630>

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Armstrong-Carter, E†., Guassi Moreira, J†., Ivory, S†., & Telzer, E.H. (2020). Daily links between helping behaviors and emotional well-being during late adolescence. *Journal of Research on Adolescence*, 30, 943-955. <https://doi.org/10.1111/jora.12572>

Armstrong-Carter, E†., Ivory, S†., Lin, L.C†., Muscatell, K.A., & Telzer, E.H. (2020). Role fulfillment mediates the relationship between daily family assistance and cortisol awakening response in adolescents. *Child Development*, 91, 754-768. <https://doi.org/10.1111/cdev.13213>

(in press)	<i>Developmental Cognitive Neuroscience</i>	Armstrong-Carter, E†.	Kwon., SJ†., Jorgenson, N†., Prinstein, M.J., Lindquist, K.L., & Telzer, E.H.
2021	<i>Developmental Psychobiology</i>	Armstrong-Carter, E†.	Nelson, B.W†., & Telzer, E.H.
2019	<i>Child Development Perspectives</i>	Armstrong-Carter, E†.	Olson, E.A. & Telzer, E.H.
2024	<i>Oxford University Press</i>	Arnett, J.J.	N/A
2009	<i>The Journal of Pediatrics</i>	Arnstén, A. F. T.	N/A

Socioeconomic status and adolescents' risk-taking behavior: No longitudinal link or differences by neurobiological activation when anticipating social rewards

Prior night sleep moderates the daily spillover between conflict with peers and family and diurnal cortisol

A unifying approach for investigating and understanding youths' help and care for the family

A Longer Road to Adulthood. In Emerging Adulthood: The Winding Road from the Late Teens Through the Twenties

The emerging neurobiology of attention deficit hyperactivity disorder: The key role of the prefrontal association cortex

Armstrong-Carter, E†., Kwon., SJ†., Jorgenson, N†., Prinstein, M.J., Lindquist, K.L., & Telzer, E.H., (in press). Socioeconomic status and adolescents' risk-taking behavior: No longitudinal link or differences by neurobiological activation when anticipating social rewards. *Developmental Cognitive Neuroscience*.

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Arnsten, A. F. T. (2009). The emerging neurobiology of attention deficit hyperactivity disorder: The key role of the prefrontal association cortex. *The Journal of Pediatrics* , 154 (5), I-S43. <https://doi.org/10.1016/j.jpeds.2009.01.018>

2022	<i>Addictive Behaviors</i>	Arrivillaga	Rey, Extremera
2016	<i>Journal of Applied Communication Research</i>	Arroyo	Brunner
2021	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Asimovic, N.,	Nagler, J., Bonneau, R., &
2024	<i>Personality and Individual Differences</i>	Aubry	Quiamzade, & Meier
2022	<i>Acta Psychologica</i>	Azhari	Toms, Pavlopoulou, Esposito, Dimitriou

A mediated path from emotional intelligence to problematic social media use in adolescents: The serial mediation of perceived stress and depressive symptoms.

Negative body talk as an outcome of friends' fitness posts on social networking sites: body surveillance and social comparison as potential moderators

Testing the effects of Facebook usage in an ethnically polarized setting

Depressive symptoms and upward social comparisons during Instagram use: A vicious circle

Social media use in female adolescents: Associations with anxiety, loneliness, and sleep disturbances

Arrivillaga, C., Rey, L., & Extremera, N. (2022). A mediated path from emotional intelligence to problematic social media use in adolescents: the serial mediation of perceived stress and depressive symptoms. *Addictive Behaviors* , 124 , 107095.  
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Arroyo, A., & Brunner, S. R. (2016). Negative body talk as an outcome of friends' fitness posts on social networking sites: body surveillance and social comparison as potential moderators. *Journal of Applied Communication Research* , 44 (3), 216–235.  
<https://doi.org/10.1080/00909882.2016.1192293>

Asimovic, N., Nagler, J., Bonneau, R., & Tucker, J. A. (2021). Testing the effects of Facebook usage in an ethnically polarized setting. *Proceedings of the National Academy of Sciences of the United States of America* , 118 (25), e2022819118.  
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Aubry, R., Quiamzade, A., & Meier, L. L. (2024). Depressive symptoms and upward social comparisons during Instagram use: A vicious circle. *Personality and Individual Differences* , 217 , 112458. <https://doi.org/10.1016/j.paid.2023.112458>

Azhari, A., Toms, Z., Pavlopoulou, G., Esposito, G., & Dimitriou, D. (2022). Social media use in female adolescents: Associations with anxiety, loneliness, and sleep disturbances. *Acta Psychologica* , 229 (229), 103706. <https://doi.org/10.1016/j.actpsy.2022.103706>



2011	<i>Nature Reviews Neuroscience</i>	Badiani, A.	Belin, D., Epstein, D., Calu, D., & Shaham, Y.
2024	<i>Developmental Cognitive Neuroscience</i>	Baker, A. E.	Galván, A. & Fuligni, A. J.
2019	<i>Cyberpsychology, behavior and social networking</i>	Baker	Ferszt, Breines
2017	<i>PloS one</i>	Bányai, F.	Zsila, Á., Király, O., Maraz, A., Elekes, Z., Griffiths, M. D., Andreassen, C. S., & Demetrovics, Z.

Opiate versus psychostimulant addiction: The differences do matter

The connecting brain in context: How adolescent plasticity supports learning and development

A Qualitative Study Exploring Female College Students' Instagram Use and Body Image

Problematic Social Media Use: Results from a Large-Scale Nationally Representative Adolescent Sample

Badiani, A., Belin, D., Epstein, D., Calu, D., & Shaham, Y. (2011). Opiate versus psychostimulant addiction: The differences do matter. *Nature Reviews Neuroscience*, 12(11), 685–700. <https://doi.org/10.1038/nrn3104>

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Baker, N., Ferszt, G., & Breines, J. G. (2019). A Qualitative Study Exploring Female College Students' Instagram Use and Body Image. *Cyberpsychology, Behavior, and Social Networking*, 22 (4). <https://doi.org/10.1089/cyber.2018.0420>

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2023	<i>Journal of Research on Adolescence</i>	Barendse, M.E.A.	Flannery, J.E†., Cavanagh, C., Aristizabal, M., Becker, S.P., Berfer E., Breaux R., Campione-Barr, N., Church, J.A., Crone, E.A., Dahl, R.E., Dennis-Tiwary, T.A., Dvorsky, M.R., Dziura, S.L., van de Groep, S., Ho, T.C., Killoren, S.E., Langberg, J.M., Larguinho, T.L., Magis-Weinberg, L., Michalska, K.J., Mullins, J.L., Nadel, H., Porter,
2007	<i>Journal of Youth and Adolescence</i>	Barnes, G. M.	Hoffman, J. H., Welte, J. W., Farrell, M. P., & Dintcheff, B. A.
2023	<i>Computers in Human Behavior</i>	Barnes	Newman, Keenan
2021	<i>New Media &amp; Society</i>	Barnwell	Neves, Ravn

Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic.

Adolescents' time use: Effects on substance use, delinquency and sexual activity

A comparison of the impact of exposure to fit ideal and non-fit ideal body shapes in fitspiration imagery on women

Captured and captioned: Representing family life on Instagram

Barendse, M.E.A., Flannery, J.E†., Cavanagh, C., Aristizabal, M., Becker, S.P., Berfer E., Breaux R., Campione-Barr, N., Church, J.A., Crone, E.A., Dahl, R.E., Dennis-Tiwary, T.A., Dvorsky, M.R., Dziura, S.L., van de Groep, S., Ho, T.C., Killoren, S.E., Langberg, J.M., Larguinho, T.L., Magis-Weinberg, L., Michalska, K.J., Mullins, J.L., Nadel, H., Porter, B.M., Prinstein, M.J., Redcay, E., Rose, A.J., Rote, W.M., Roy, A.K., Sweijen S.W., Telzer, E.H., Teresi, G.I., Thomas, A.G. & Pfeifer, J.H. (2023). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic. *Journal of Research on Adolescence*, 33, 74-91. <https://doi.org/10.1111/jora.12781>.

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Barnes, K., Newman, E., & Keenan, G. (2023). A comparison of the impact of exposure to fit ideal and non-fit ideal body shapes in fitspiration imagery on women. *Computers in Human Behavior*, 144 (1), 107728. <https://doi.org/10.1016/j.chb.2023.107728>

Barnwell, A., Neves, B. B., & Ravn, S. (2021). Captured and captioned: Representing family life on Instagram. *New Media & Society*, 25(5), 921-942. <https://doi.org/10.1177/14614448211012791> (Original work published 2023)

2018	<i>NEA Today</i>	Barrett, K.	N/A
2021	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Baskin-Sommers, A.	Simmons, C., Conley, M., Chang, S. A., Estrada, S., Collins, M., Pelham, W., Beckford, E., Mitchell-Adams, H., Berrian, N., Tapert, S. F., Gee, D. G., & Casey, B. J.
2024	<i>PPM</i>	Basu	Blanton, Gonzales, Hendricks, Mehari, & Smith
2024	<i>Journal of Adolescence</i>	Battaglini	Rnic, Jopling, Tracy, LeMoult
2024	<i>Nature Human Behaviour</i>	Batten, S. R.	et al.,

Social Media's Impact on Students' Mental Health Comes into Focus

Adolescent civic engagement: Lessons from Black Lives Matter

Upward Social Comparisons and Suicidal Ideation on Facebook: Moderating Role of Thwarted Belongingness

Communication modality matters: Co-rumination via in-person versus digital modalities has different prospective associations with depression and friendship quality

Dopamine and serotonin in human substantia nigra track social context and value signals during economic exchange



Barrett, K. (2018). *Social Media's Impact on Students' Mental Health Comes Into Focus* / NEA . Wwww.nea.org; National Education Association. <https://www.nea.org/nea-today/all-news-articles/social-medias-impact-students-mental-health-comes-focus>

Baskin-Sommers, A., Simmons, C., Conley, M., Chang, S. A., Estrada, S., Collins, M., Pelham, W., Beckford, E., Mitchell-Adams, H., Berrian, N., Tapert, S. F., Gee, D. G., & Casey, B. J. (2021). Adolescent civic engagement: Lessons from Black Lives Matter. *Proceedings of the National Academy of Sciences of the United States of America*, 118(41), e2109860118. <https://doi.org/10.1073/pnas.2109860118>

Basu, N., Blanton, M. A., Gonzales, J., Hendricks, K. E., Mehari, K., & Smith, P. N. (2024). Upward social comparisons and suicidal ideation on Facebook: Moderating role of thwarted belongingness. *Psychology of Popular Media*, 13(3), 513–517. <https://doi.org/10.1037/ppm0000505>

Battaglini, A. M., Rnic, K., Jopling, E., Tracy, A., & LeMoult, J. (2024). Communication modality matters: Co-rumination via in-person versus digital modalities has different prospective associations with depression and friendship quality. *Journal of adolescence*, 96 (3), 645–658. <https://doi.org/10.1002/jad.12289>

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2024	<i>Sleep Medicine Reviews</i>	Bauducco	Pillion, Bartel, Reynolds, Kahn, Gradisar
1995	<i>Psychological Bulletin</i>	Baumeister, R. F.	Leary, M. R.
1995	<i>Psychological Bulletin</i>	Baumeister, R. F.	Leary, M. R.
2005	<i>Neuron</i>	Bayer, H. M.	Glimcher, P. W.
2011	<i>Pharmacological Reviews</i>	Beaulieu, J.-M.	Gainetdinov, R. R.

A bidirectional model of sleep and technology use: A theoretical review of How much, for whom, and which mechanisms

The need to belong: desire for interpersonal attachments as a fundamental human motivation

The Need to Belong: Desire for Interpersonal Attachments as a Fundamental Human Motivation

Midbrain Dopamine Neurons Encode a Quantitative Reward Prediction Error Signal

The Physiology, Signaling, and Pharmacology of Dopamine Receptors

Bauducco, S., Pillion, M., Bartel, K., Reynolds, C., Kahn, M., & Gradisar, M. (2024). A Bidirectional Model of Sleep and Technology Use: A Theoretical Review of How much, For whom, And which mechanisms. *Sleep Medicine Reviews* , 76 , 101933–101933.  
<https://doi.org/10.1016/j.smr.2024.101933>

Baumeister, R. F., & Leary, M. R. (1995). The need to belong: desire for interpersonal attachments as a fundamental human motivation. *Psychological Bulletin*, 117(3), 497–529.  
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<https://doi.org/10.1016/j.neuron.2005.05.020>

Beaulieu, J.-M., & Gainetdinov, R. R. (2011). The Physiology, Signaling, and Pharmacology of Dopamine Receptors. *Pharmacological Reviews*, 63(1), 182–217.  
<https://doi.org/10.1124/pr.110.002642>

2020	<i>Journal of Adolescent Health</i>	Beeres	Andersson, Vossen, & Galanti
2019	<i>Health Education &amp; Behavior</i>	Bekalu	McCloud, Viswanath
2016	<i>Labour Economics</i>	Beland, L.-P.	Murphy, R.
2016	<i>Labour Economics</i>	Beland, L.-P.	Murphy, R.
2024	<i>Psychology of Popular Media</i>	Bell	Talbot, Deighton-Smith

Social Media and Mental Health Among Early Adolescents in Sweden: A Longitudinal Study With 2-Year Follow-Up (KUPOL Study)

Association of Social Media Use With Social Well-Being, Positive Mental Health, and Self-Rated Health: Disentangling Routine Use From Emotional Connection to Use

Ill Communication: Technology, distraction & student performance

Ill Communication: Technology, distraction & student performance

Following Up on #Fitspiration: A Comparative Content Analysis and Thematic Analysis of Social Media Content Aiming to Inspire Fitness From 2014 and 2021

Beeres, D. T., Andersson, F., Vossen, H. G. M., & Galanti, M. R. (2020). Social Media and Mental Health Among Early Adolescents in Sweden: A Longitudinal Study With 2-Year Follow-Up (KUPOL Study). *Journal of Adolescent Health* , 68 (5).  
<https://doi.org/10.1016/j.jadohealth.2020.07.042>

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Beland, L.-P., & Murphy, R. (2016). Ill Communication: Technology, distraction & student performance. *Labour Economics* , 41 (1), 61–76. <https://doi.org/10.1016/j.labeco.2016.04.004>

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Bell, B. T., Talbot, C. V., & Deighton-Smith, N. (2024). Following up on #fitspiration: A comparative content analysis and thematic analysis of social media content aiming to inspire fitness from 2014 and 2021. *Psychology of Popular Media*, 13 (4), 666–676.  
<https://doi.org/10.1037/ppm0000523>

2024	<i>Sex Roles</i>	Belmonte	Hopper, Aubrey
2022	<i>Applied Economic Analysis</i>	Beneito, P.	Vicente-Chirivella, Ó.
2019	<i>Journal of American College Health</i>	Bennett	Whisenhunt, Hudson, Wagner, Latner, Stefano, & Beauchamp
2007	<i>Psychopharmacology</i>	Berridge, K. C.	N/A
2018	<i>Acta Psychiatrica Scandinavica</i>	Berry	Emsley, Lobban, & Bucci



Instagram Use and Endorsement of a Voluptuous Body Ideal: A Serial Mediation Model

Banning mobile phones in schools: Evidence from regional-level policies in Spain

Examining the impact of social media on mood and body dissatisfaction using ecological momentary assessment

The debate over dopamine's role in reward: The case for incentive salience

Social media and its relationship with mood, self-esteem and paranoia in psychosis

Belmonte, A., Hopper, K. M., & Aubrey, J.S. (2024). Instagram Use and Endorsement of a Voluptuous Body Ideal: A Serial Mediation Model. *Sex Roles* , 90 (2).  
<https://doi.org/10.1007/s11199-024-01442-9>

Beneito, P., & Vicente-Chirivella, Ó. (2022). Banning mobile phones in schools: Evidence from regional-level policies in Spain. *Applied Economic Analysis* , 30 (90).  
<https://doi.org/10.1108/aea-05-2021-0112>

Bennett, B. L., Whisenhunt, B. L., Hudson, D. L., Wagner, A. F., Latner, J. D., Stefano, E. C., & Beauchamp, M. T. (2019). Examining the impact of social media on mood and body dissatisfaction using ecological momentary assessment. *Journal of American College Health* , 68 (5), 502–508. <https://doi.org/10.1080/07448481.2019.1583236>

Berridge, K. C. (2007). The debate over dopamine's role in reward: The case for incentive salience. *Psychopharmacology*, 191(3), 391–431. <https://doi.org/10.1007/s00213-006-0578-x>

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2010	<i>Child Development</i>	Best, J. R.	Miller, P. H.
2022	<i>Nature</i>	Bethlehem, R. . I.	N/A
2008	<i>Nat Neurosci</i>	Beuming, T	Kniazeff, J, Bergmann, ML, Shi, L, Gracia, L, and Raniszewska, K
2018	<i>Proceedings of the National Academy of Sciences</i>	Beyens, I.	Valkenburg, P. M. & Piotrowski, J. T.
2017	<i>Frontiers for Young Minds</i>	Bezdek, K. G.	Telzer, E. H.

A Developmental Perspective on Executive Function

Brain charts for the human lifespan

The binding sites for cocaine and dopamine in the dopamine transporter overlap

Screen media use and ADHD-related behaviors: Four decades of research

Have No Fear, the Brain Is Here! How Your Brain Responds to Stress

Best, J. R., & Miller, P. H. (2010). A Developmental Perspective on Executive Function. *Child Development* , 81 (6), 1641–1660. <https://doi.org/10.1111/j.1467-8624.2010.01499.x>

Bethlehem, R. . I., (2022). Brain charts for the human lifespan. *Nature*, 604(7906), 525–533. <https://doi.org/10.1038/s41586-022-04554-y>

Beuming, T, Kniazeff, J, Bergmann, ML, Shi, L, Gracia, L, and Raniszewska, K (2008). The binding sites for cocaine and dopamine in the dopamine transporter overlap. *Nat Neurosci*. 11, 780-789.

Beyens, I, Valkenburg, P. M., & Piotrowski, J. T. (2018). Screen media use and ADHD-related behaviors: Four decades of research. *Proceedings of the National Academy of Sciences* , 115 (40), 9875–9881. <https://doi.org/10.1073/pnas.1611611114>

Bezdek, K. G., & Telzer, E. H. (2017). Have No Fear, the Brain Is Here! How Your Brain Responds to Stress. *Frontiers for Young Minds* , 5 . <https://doi.org/10.3389/frym.2017.00071>

2023	<i>Developmental Psychology</i>	Bibby, E.S†.	Choukas-Bradley, S., Widman, L., Turpyn, C., Prinstein, M.J., & Telzer, E. H.
2015	<i>J Behav Addict</i>	Billieux, J., A.	Schimmenti, Y. Khazaal, P. Maurage, A. Heeren
2024	<i>PPM</i>	Bissell	Chou
2022	<i>Body Image</i>	Mink	Szymanski
2020	<i>eClinicalMedicine</i>	Biswas, T.	et. al.

A longitudinal assessment of adolescents' sexual communication with parents, best friends, and dating partners

Are we overpathologizing everyday life? A tenable blueprint for behavioral addiction research'

Living for the Likes: Social Media Use, Fear of Missing Out, and Body and Life Satisfaction in Women

TikTok use and body dissatisfaction: Examining direct, indirect, and moderated relations

Global Variation In the Prevalence of Suicidal Ideation, Anxiety and Their Correlates Among Adolescents: A Population Based Study of 82 Countries

Bibby, E.S†., Choukas-Bradley, S., Widman, L., Turpyn, C., Prinstein, M.J., & Telzer, E. H. (2023). A longitudinal assessment of adolescents' sexual communication with parents, best friends, and dating partners. *Developmental Psychology*, 59, 1300-1314. <https://doi.org/10.1037/dev0001556>

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2025	<i>Journal of Adolescent Health</i>	Blackwell	et. al.
2012	<i>J R Soc Medicine</i>	Blakemore	N/A
2008	<i>Nature reviews Neuroscience</i>	Blakemore S. J.	N/A
2008	<i>Quarterly Journal of Experimental Psychology</i>	Blakemore, S.-J.	N/A
2012	<i>Journal of the Royal Society of Medicine</i>	Blakemore, S.-J.	N/A

Adolescent Social Media Use and Mental Health in the Environmental Influences on Child Health Outcomes Study.
Development of the social brain in adolescence
The social brain in adolescence
Development of the Social Brain during Adolescence
Development of the social brain in adolescence

Blackwell, et. al. (2025). Adolescent Social Media Use and Mental Health in the Environmental Influences on Child Health Outcomes Study. *Journal of Adolescent Health* , 76(4), 647-656. [https://doi: 10.1016/j.jadohealth.2024.12.003](https://doi.org/10.1016/j.jadohealth.2024.12.003).

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2019	<i>The Lancet</i>	Blakemore, S.-J.	N/A
2014	<i>Annual Review of Psychology</i>	Blakemore, S.-J.	Mills, K. L.
2020	<i>Child Development</i>	Blankenstein, N.E†.	Telzer, E.H., Do, K.T†., van Duijvenvoorde, A.C.K., & Crone, E.A.
2022	<i>Human Brain Mapping</i>	Bloom, P.	VanTieghem, M., Gabard-Durnam, L., Gee, D.G., Flannery, J., Caldera, C., Goff, B., Telzer, E.H., Humphreys, K.L., Fareri, D.S., Shapiro, M., Algharazi, S., Bolger, N., Aly, M.,
2022	<i>Child Development</i>	Boer	Stevens, Finkenauer, & van den Eijnden

Adolescence and mental health
Is Adolescence a Sensitive Period for Sociocultural Processing?
Behavioral and neural pathways supporting the development of prosocial and risk-taking behavior across adolescence
Age-related change in task-evoked amygdala-prefrontal circuitry: a multiverse approach with an accelerated longitudinal cohort aged 4-22 years
The course of problematic social media use in young adolescents: A latent class growth analysis

Blakemore, S.-J. (2019). Adolescence and mental health. *The Lancet*, 393 (10185), 2030–2031. [https://doi.org/10.1016/s0140-6736\(19\)31013-x](https://doi.org/10.1016/s0140-6736(19)31013-x)

Blakemore, S.-J., & Mills, K. L. (2014). Is Adolescence a Sensitive Period for Sociocultural Processing? *Annual Review of Psychology*, 65 (1), 187–207. <https://doi.org/10.1146/annurev-psych-010213-115202>

Blankenstein, N.E†., Telzer, E.H., Do, K.T†., van Duijvenvoorde, A.C.K., & Crone, E.A. (2020). Behavioral and neural pathways supporting the development of prosocial and risk-taking behavior across adolescence. *Child Development*, 91, e665-e681. <https://doi.org/10.1111/cdev.13292>

Bloom, P., VanTieghem, M., Gabard-Durnam, L., Gee, D.G., Flannery, J., Caldera, C., Goff, B., Telzer, E.H., Humphreys, K.L., Fareri, D.S., Shapiro, M., Algharazi, S., Bolger, N., Aly, M., Tottenham, N. (2022). Age-related change in task-evoked amygdala-prefrontal circuitry: a multiverse approach with an accelerated longitudinal cohort aged 4-22 years. *Human Brain Mapping*, 43, 3221-3244. <https://doi.org/10.1002/hbm.25847>

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2021	<i>Computers in Human Behavior</i>	Boer	Stevens, Finkenauer, de Looze, van den Eijnden
2019	<i>Child Development</i>	Boer	Stevens, Finkenauer, & van den Eijnden
2019	<i>Child Development</i>	Boer, M.	Stevens, G., Finkenauer, C., & Eijnden, R.
2020	<i>Journal of Adolescent Health</i>	Boer, M.	van den Eijnden, R. J. J. M., Boniel-Nissim, M., Wong, S.-L., Inchley, J. C., Badura, P., Craig, W. M., Gobina, I., Kleszczewska, D., Klanšček, H. J., & Stevens, G. W. J. M.
2020	<i>Journal of Adolescent Health</i>	Boer, van den Eijnden	Boniel-Nissim, Wong, Inchley, Badura, Craig, Gobina, Kleszczewska, Klanscek, Stevens

Social media use intensity, social media use problems, and mental health among adolescents: Investigating directionality and mediating processes

Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality

Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality

Adolescents' Intense and Problematic Social Media Use and Their Well-Being in 29 Countries

Adolescents' intense and problematic social media use and their well-being in 29 countries



Boer, M., Stevens, G. W. J. M., Finkenauer, C., de Looze, M. E., & van den Eijnden, R. J. J. M. (2021). Social media use intensity, social media use problems, and mental health among adolescents: Investigating directionality and mediating processes. *Computers in Human Behavior*, 116, Article 106645. <https://doi.org/10.1016/j.chb.2020.106645>

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Boer, M., Stevens, G., Finkenauer, C., & Eijnden, R. (2019). Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality. *Child Development*, 91(4), e853–e865. <https://doi.org/10.1111/cdev.13334>

Boer, M., van den Eijnden, R. J. J. M., Boniel-Nissim, M., Wong, S.-L., Inchley, J. C., Badura, P., Craig, W. M., Gobina, I., Kleszczewska, D., Klanšček, H. J., & Stevens, G. W. J. M. (2020). Adolescents' Intense and Problematic Social Media Use and Their Well-Being in 29 Countries. *Journal of Adolescent Health*, 66(6), S89–S99. <https://doi.org/10.1016/j.jadohealth.2020.02.014>

Boer, M., van den Eijnden, R. J. J. M., Boniel-Nissim, M., Wong, S.-L., Inchley, J. C., Badura, P., Craig, W. M., Gobina, I., Kleszczewska, D., Klanšček, H. J., & Stevens, G. W. J. M. (2020). Adolescents' Intense and Problematic Social Media Use and Their Well-Being in 29 Countries. *Journal of Adolescent Health*, 66(6), S89–S99. <https://doi.org/10.1016/j.jadohealth.2020.02.014>

2022	<i>Child Development</i>	Boer	Stevens, Finkenauer, van den Eijnden
2019	<i>JAMA Pediatrics</i>	Boers	Afzali, Newton, & Conrod
2014	<i>BMC Medical Research Methodology</i>	Bonevski, B.	Randell, M., Paul, C., Chapman, K., Twyman, L., Bryant, J., Brozek, I., & Hughes, C.
2024	<i>Body Image</i>	Bonfanti, R. C.	Melchiori, F., Teti, A., Albano, G., Raffard, S., Rodgers, R., & Lo Coco, G.
2023	<i>Sleep Health</i>	Boniell-Nissim	Tynjala, Gobina, Furstova, van den Eijnden, Marino, Klanscek, Klavina-Makrecka, Villerusa, Lahti, Vieno, Wong, Villberg, Inchley, Garipey

The course of problematic social media use in young adolescents: A latent class growth analysis

Association of Screen Time and Depression in Adolescence

Reaching the hard-to-reach: a systematic review of strategies for improving health and medical research with socially disadvantaged groups

The association between social comparison in social media, body image concerns and eating disorder symptoms: A systematic review and meta-analysis

Adolescent use of social media and associations with sleep patterns across 18 European and North American countries

Boer, M., Stevens, G. W. J. M., Finkenauer, C., & van den Eijnden, R. J. J. M. (2022). The course of problematic social media use in young adolescents: A latent class growth analysis. *Child Development*, 93, e168–e187. <https://doi.org/10.1111/cdev.13712>

Boers, E., Afzali, M. H., Newton, N., & Conrod, P. (2019). Association of Screen Time and Depression in Adolescence. *JAMA pediatrics*, 173 (9), 853–859. <https://doi.org/10.1001/jamapediatrics.2019.1759>

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Bonié-Nissim, M., Tynjälä, J., Gobiņa, I., Furstova, J., van den Eijnden, R. J. J. M., Marino, C., Klanšček, H. J., Klavina-Makrecka, S., Villeruša, A., Lahti, H., Vieno, A., Wong, S. L., Villberg, J., Inchley, J., & Gariépy, G. (2023). Adolescent use of social media and associations with sleep patterns across 18 european and north american countries. *Sleep Health*, 9 (3). <https://doi.org/10.1016/j.sleh.2023.01.005>

2021	<i>Computers in Human Behavior</i>	Boniel-Nissim	van den Eijnden, Furstova, Marino, Lahti, Inchley, Smigelskas, Vieno, Badura
2023	<i>Health Psychology and Behavioral Medicine</i>	Bonsaksen	Ruggolo, Price, Leung, Thygesen, Lamph, Kabelenga, Geirdal
2018	<i>BMC Public Health</i>	Booker	Kelly, & Sacker
2018	<i>BMC Public Health</i>	Booker, C. L.	Kelly, Y. J. & Sacker, A.
2022	<i>Journal of Contemporary Psychotherapy</i>	Borgen	Domoff

International perspectives on social media use among adolescents: Implications for mental and social well-being and substance use
Associations between social media use and loneliness in a cross-national population: do motives for social media use matter
Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK
Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK
Developing Healthy Social Media Practices: An Outpatient Caregiver Adolescent Group Intervention

Boniell-Nissim, M., van den Eijnden, R. J. J. M., Furstova, J., Marino, C., Lahti, H., Inchley, J., Šmigelskas, K., Vieno, A., & Badura, P. (2021). International perspectives on social media use among adolescents: Implications for mental and social well-being and substance use. *Computers in Human Behavior*, 129(107144), 107144. <https://doi.org/10.1016/j.chb.2021.107144>

Bonsaksen, T., Ruffolo, M., Price, D., Leung, J., Thygesen, H., Lamph, G., ... Geirdal, A. Ø. (2023). Associations between social media use and loneliness in a cross-national population: do motives for social media use matter? *Health Psychology and Behavioral Medicine*, 11(1). <https://doi.org/10.1080/21642850.2022.2158089>

Booker, C. L., Kelly, Y. J., & Sacker, A. (2018). Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK. *BMC Public Health*, 18(1). <https://doi.org/10.1186/s12889-018-5220-4>

Booker, C. L., Kelly, Y. J., & Sacker, A. (2018). Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK. *BMC Public Health*, 18(1). <https://doi.org/10.1186/s12889-018-5220-4>

Borgen, A. L., & Domoff, S. E. (2022). Developing Healthy Social Media Practices: An Outpatient Caregiver-Adolescent Group Intervention. *Journal of Contemporary Psychotherapy*. <https://doi.org/10.1007/s10879-022-09559-2>

2024	<i>Journal of Adolescent Health</i>	Borodovsky, J.T.	et. al.
2020	<i>Training, Language and Culture.</i>	Böttger H.	Költzsch D.
2019	<i>British Journal of Ps</i>	Bowler	Bourke
2024	<i>International Journal of School &amp; Educational Psychology</i>	Bozzato	Longobardi
2015	<i>Journal of Neuroscience</i>	Braams, B. R.	van Duijvenvoorde, A. C. K., Peper, J. S., & Crone, E. A.



Longitudinal Use Patterns of Technology Subtypes During the Transition Into Early Adolescence: Results From the Adolescent Brain Cognitive Development Study.

The fear factor: Xenoglossophobia or how to overcome the anxiety of speaking foreign languages.

Facebook use and sleep quality: Light interacts with socially induced alertness

School climate and connectedness predict problematic smartphone and social media use in Italian adolescents

Longitudinal Changes in Adolescent Risk-Taking: A Comprehensive Study of Neural Responses to Rewards, Pubertal Development, and Risk-Taking Behavior

Borodovsky, J.T., et. al. (2024). Longitudinal Use Patterns of Technology Subtypes During the Transition Into Early Adolescence: Results From the Adolescent Brain Cognitive Development Study. *Journal of Adolescent Health* , 75(5).  
<https://doi.org/10.1016/j.jadohealth.2024.06.020>.

Böttger H, Költzsch D. The fear factor: Xenoglossophobia or how to overcome the anxiety of speaking foreign languages. *Training, Language and Culture*, 4(2), 43-55. 2020.

Bowler, J., & Bourke, P. (2019). Facebook use and sleep quality: Light interacts with socially induced alertness. *British journal of psychology (London, England : 1953)* , 110 (3), 519–529.  
<https://doi.org/10.1111/bjop.12351>

Bozzato, P., & Longobardi, C. (2024). School climate and connectedness predict problematic smartphone and social media use in Italian adolescents. *International Journal of School & Educational Psychology* , 12 (2), 83–95.  
<https://doi.org/10.1080/21683603.2024.2328833>

Braams, B. R., van Duijvenvoorde, A. C. K., Peper, J. S., & Crone, E. A. (2015). Longitudinal Changes in Adolescent Risk-Taking: A Comprehensive Study of Neural Responses to Rewards, Pubertal Development, and Risk-Taking Behavior. *Journal of Neuroscience* , 35(18), 7226–7238. <https://doi.org/10.1523/jneurosci.4764-14.2015>

2017	<i>Journal of Neuroscience</i>	Bradfield, L. A.	Balleine, B. W.
2022	<i>American Economic Review</i>	Braghieri	Levy, Makarin
2020	<i>Cyberpsychol Behav Soc Netw.</i>	Brailovskaia J.	Teismann T, Margraf J.
2019	<i>Personality and Individual Differences</i>	Brailovskaia	Margraf
2023	<i>Behaviour &amp; Information Technology</i>	Brailovskaia, J.	Becherer, I., Wicker, V., Schillack, H., & Margraf, J.

Thalamic Control of Dorsomedial Striatum  
Regulates Internal State to Guide Goal-  
Directed Action Selection

Social Media and Mental Health

Positive Mental Health Mediates the  
Relationship Between Facebook Addiction  
Disorder and Suicide-Related Outcomes: A  
Longitudinal Approach.

I present myself and have a lot of Facebook-  
friends– Am I a happy narcissist!?

Less social media use – more satisfied, work-  
engaged and mentally healthy employees: an  
experimental intervention study

Bradfield, L. A., & Balleine, B. W. (2017). Thalamic Control of Dorsomedial Striatum Regulates Internal State to Guide Goal-Directed Action Selection. *Journal of Neuroscience*, 37(13), 3721–3733. <https://doi.org/10.1523/JNEUROSCI.3860-16.2017>

Braghieri, L., Levy, R., & Makarin, A. (2022). Social media and mental health. *American Economic Review*, 112 (11), 3660–3693. <https://doi.org/10.1257/aer.20211218>

Brailovskaia J, Teismann T, Margraf J. Positive Mental Health Mediates the Relationship Between Facebook Addiction Disorder and Suicide-Related Outcomes: A Longitudinal Approach. *Cyberpsychol Behav Soc Netw*. 2020 May;23(5):346-350.

Brailovskaia, J., & Margraf, J. (2019). I present myself and have a lot of Facebook-friends – Am I a happy narcissist!? *Personality and Individual Differences*, 148, 11–16. <https://doi.org/10.1016/j.paid.2019.05.022>

Brailovskaia, J., Becherer, I., Wicker, V., Schillack, H., & Margraf, J. (2023). Less social media use – more satisfied, work-engaged and mentally healthy employees: an experimental intervention study. *Behaviour & Information Technology*, 43 (15), 3737–3749. <https://doi.org/10.1080/0144929X.2023.2286529>

2020	<i>Computers in Human Behavior</i>	Brailovskaia, J.	Ströse, F., Schillack, H., &
2020	<i>Computers in Human Behavior</i>	Brailovskaia, J.	Ströse, F., Schillack, H., & Margraf, J.
2022	<i>Journal of Public Health</i>	Brailovskaia, J.	Swarlik, V. J., Grethe, G. A., Schillack, H., & Margraf, J.
2011	<i>International Journal of General Medicine</i>	Brand, S.	Kirov, R.
2024	<i>Affective Science</i>	Brandao	Denny

Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention stud
Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention study
Experimental longitudinal evidence for causal role of social media use and physical activity in COVID-19 burden and mental health
Sleep and its importance in adolescence and in common adolescent somatic and psychiatric conditions
What Instagram Means to Me: Links Between Social Anxiety, Instagram Contingent Self-worth, and Automated Textual Analysis of Linguistic Authenticity

Brailovskaia, J., Ströse, F., Schillack, H., & Margraf, J. (2020). Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention study. *Computers in Human Behavior*, 108, 106332. <https://doi.org/10.1016/j.chb.2020.106332>

Brailovskaia, J., Ströse, F., Schillack, H., & Margraf, J. (2020). Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention study. *Computers in Human Behavior*, 108, 106332. <https://doi.org/10.1016/j.chb.2020.106332>

Brailovskaia, J., Swarlik, V. J., Grethe, G. A., Schillack, H., & Margraf, J. (2022). Experimental longitudinal evidence for causal role of social media use and physical activity in COVID-19 burden and mental health. *Journal of Public Health*, 31. <https://doi.org/10.1007/s10389-022-01751-x>

Brand, S., & Kirov, R. (2011). Sleep and its importance in adolescence and in common adolescent somatic and psychiatric conditions. *International Journal of General Medicine*, 4 (2011), 425. <https://doi.org/10.2147/ijgm.s11557>

Brandao, B. M., & Denny, B. T. (2024). What Instagram Means to Me: Links Between Social Anxiety, Instagram Contingent Self-worth, and Automated Textual Analysis of Linguistic Authenticity. *Affective Science*. <https://doi.org/10.1007/s42761-024-00267-9>



2022	<i>Social Psychiatry and Psychiatric Epidemiology</i>	Brannigan	Cronin, McEvoy, Stainstreet, Layte
2024	<i>Body Image</i>	Brasil	Mims, Pritchard, McDermott
2023	<i>Sleep Medicine Reviews</i>	Brautsch	Lund, Andersen, Jennum, Folker, Andersen
2022	<i>Sleep Medicine Reviews</i>	Brautsch, L. AS.	Lund, L., Andersen, M. M., Jennum, P. J., Folker, A. P., & Andersen, S.
2023	<i>Psychology of Popular Media</i>	Breves	Paryschew, & Stein

Verification of the Goldilocks Hypothesis: the association between screen use, digital media and psychiatric symptoms in the Growing Up in Ireland study

Social media and body image: Relationships between social media appearance preoccupation, self-objectification, and body image

Digital media use and sleep in late adolescence and young adulthood: A systematic review

Digital media use and sleep in late adolescence and young adulthood: A systematic review

Be Positive? The Interplay of Instagram Influencers' Body Type and Favorable User Comments on Young Women's Perceptions, Affective Well-Being, and Exercise Intentions

Brannigan, R., Cronin, F., McEvoy, O., Stanistreet, D., & Layte, R. (2022). Verification of the Goldilocks Hypothesis: the association between screen use, digital media and psychiatric symptoms in the Growing Up in Ireland study. *Social Psychiatry and Psychiatric Epidemiology* , 58 . <https://doi.org/10.1007/s00127-022-02352-5>

Brasil, K. M., Mims, C. E., Pritchard, M. E., & McDermott, R. C. (2024). Social media and body image: Relationships between social media appearance preoccupation, self-objectification, and body image. *Body Image* , 51 (1), 101767–101767. <https://doi.org/10.1016/j.bodyim.2024.101767>

Brautsch, L. A., Lund, L., Andersen, M. M., Jennum, P. J., Folker, A. P., & Andersen, S. (2023). Digital media use and sleep in late adolescence and young adulthood: A systematic review. *Sleep medicine reviews* , 68 , 101742. <https://doi.org/10.1016/j.smr.2022.101742>

Brautsch, L. AS., Lund, L., Andersen, M. M., Jennum, P. J., Folker, A. P., & Andersen, S. (2022). Digital media use and sleep in late adolescence and young adulthood: A systematic review. *Sleep Medicine Reviews*, 68(101742), 101742. <https://doi.org/10.1016/j.smr.2022.101742>

Breves, P., Paryschew, L., & Stein, J. (2023). Be positive? The interplay of Instagram influencers' body type and favorable user comments on young women's perceptions, affective well-being, and exercise intentions. *Psychology of Popular Media* . <https://doi.org/10.1037/ppm0000499>

2009	<i>Neuron</i>	Bromberg-Martin, E. S.	Hikosaka, O.
2010	<i>Neuron</i>	Bromberg-Martin, E. S.	Matsumoto, M., & Hikosaka, O.
2013	<i>Trends in Cognitive Sciences</i>	Brooks, A. M.	Berns, G. S.
1993	<i>Gambling Behavior and Problem Gambling</i>	Brown, R.	N/A
2016	<i>Body Image</i>	Brown	Tiggemann

Midbrain Dopamine Neurons Signal Preference for Advance Information about Upcoming Rewards
Dopamine in Motivational Control: Rewarding, Aversive, and Alerting
Aversive stimuli and loss in the mesocorticolimbic dopamine system
Some contributions of the study of gambling to the study of other addictions
Attractive celebrity and peer images on Instagram: Effect on women's mood and body image

Bromberg-Martin, E. S., & Hikosaka, O. (2009). Midbrain Dopamine Neurons Signal Preference for Advance Information about Upcoming Rewards. *Neuron*, 63(1), 119–126.  
<https://doi.org/10.1016/j.neuron.2009.06.009>

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<https://doi.org/10.1016/j.neuron.2010.11.022>

Brooks, A. M., & Berns, G. S. (2013). Aversive stimuli and loss in the mesocorticolimbic dopamine system. *Trends in Cognitive Sciences*, 17(6), 281–286.  
<https://doi.org/10.1016/j.tics.2013.04.001>

Brown, R. (1993). Some contributions of the study of gambling to the study of other addictions. *Gambling Behavior and Problem Gambling*, 1, 241–272.

Brown, Z., & Tiggemann, M. (2016). Attractive celebrity and peer images on Instagram: Effect on women's mood and body image. *Body Image*, 19(19), 37–43.  
<https://doi.org/10.1016/j.bodyim.2016.08.007>

2016	<i>Body Image</i>	Brown, Z.	Tiggemann, M.
2020	<i>Body Image</i>	Brown	Tiggemann
2019	<i>Journal of Adolescence</i>	Brunborg	Andreas
2021	<i>Journal of Clinical Child &amp; Adolescent Psychology</i>	Burani, K.	Klawohn, J., Levinson, A. R., Klein, D. N., Nelson, B. D., & Hajcak, G.
2020	<i>Journal of Neurology &amp; Neurophys.</i>	Burhan R.	Moradzadeh J.

Attractive celebrity and peer images on Instagram: Effect on women's mood and body image
A picture is worth a thousand words: The effect of viewing celebrityInstagram images with disclaimer and body positive captions onwomen's body image
Increase in time spent on social media is associated with modest increase in depression, conduct problems, and episodic heavy drinking
Neural Response to Rewards, Stress and Sleep Interact to Prospectively Predict Depressive Symptoms in Adolescent Girls
Neurotransmitter Dopamine (DA) and its Role in Development of Social Media Addiction.



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Burhan (2020) Neurotransmitter Dopamine (DA) and its Role in Development of Social Media Addiction. *Journal of Neurology & Neurophys*, Vol 11 Iss 7, 507. 2020.

2020	<i>Journal of Neurology &amp; Neurophysiology</i>	Burhan, R.	Moradzadeh, J.,
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Burnell, K.	Kuther, T. L.
2023	<i>Journal of Youth and Adolescence</i>	Burnell, K.	Odgers, C. L.
2022	<i>Emerging Adulthood</i>	Burnell, K.	†Andrade, F. & Hoyle, R. H.
2023	<i>Developmental Psychology</i>	Burnell, K.	†Andrade, F. & Hoyle, R. H.

Neurotransmitter Dopamine (DA) and its Role in the Development of Social Media Addiction

Predictors of mobile phone and social networking site dependency in adulthood

Trajectories of perceived technological impairment and psychological distress in adolescents

Emerging adults' exposure to and postings about substance use on social media: An observational study

Longitudinal and daily associations between adolescents' self-control and digital technology use

Burhan, R. & Moradzadeh, J., (2020). Neurotransmitter Dopamine (DA) and its Role in the Development of Social Media Addiction, *Journal of Neurology & Neurophysiology*, 11(7),507

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Burnell, K., †Andrade, F., & Hoyle, R. H. (2023). Longitudinal and daily associations between adolescents' self-control and digital technology use. *Developmental Psychology* , 59 , 720-732.

2024	<i>Journal of Child and Family Studies</i>	Burnell, K.	†Andrade, F., & Hoyle, R. H.
2023	<i>Journal of Family Psychology</i>	Burnell, K.	†Andrade, F., Kwiatek, S. M., & Hoyle, R. H.
2024	<i>Current Treatment Options in Psychiatry</i>	Burnell, K.	†Fox, K. A., Maheux, A. J., & Prinstein, M. J.
2025	<i>Body Image</i>	Burnell, K.	†Traver, J. M., & Maheux, A. J.
2020	<i>Journal of Research in Personality</i>	Burnell, K.	Ackerman, R. A., Meter, D. J., Ehrenreich, S. E., & Underwood, M. K.

Exposure to peers' online postings about substances and adolescents' substance use: A longitudinal study

Digital location tracking: A preliminary investigation of parents' use of digital technology to monitor their adolescent's location

Social media use and mental health: A review of the experimental literature and implications for clinicians

Longitudinal associations between appearance evaluation during video chat and body image concerns: A test of the "Perfect Storm" framework

Self-absorbed and socially (network) engaged: Narcissistic traits and social networking site use

Burnell, K., †Andrade, F., & Hoyle, R. H. (2024). Exposure to peers' online postings about substances and adolescents' substance use: A longitudinal study. *Journal of Child and Family Studies*, 33, 3854-3867.

Burnell, K., †Andrade, F., Kwiatek, S. M., & Hoyle, R. H. (2023). Digital location tracking: A preliminary investigation of parents' use of digital technology to monitor their adolescent's location. *Journal of Family Psychology*, 37, 561-567.

Burnell, K., †Fox, K. A., Maheux, A. J., & Prinstein, M. J. (2024). Social media use and mental health: A review of the experimental literature and implications for clinicians. *Current Treatment Options in Psychiatry*, 11, 1-16.

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2025	<i>Journal of Children and Media</i>	Burnell, K.	Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H.
2025	<i>Journal of Children and Media</i>	Burnell, K.	Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H.
2025	<i>Journal of Children and Media</i>	Burnell, K.	Flannery, J.S†., Fox, K.A†., Prinstein, M.J., & Telzer. E.H.
2024	<i>Journal of Adolescence</i>	Burnell, K.	Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.
2024	<i>Journal of Adolescence</i>	Burnell, K.	Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.



U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use

U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use

U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use

Daily links between objective smartphone use and sleep among adolescents

Daily links between objective smartphone use and sleep among adolescents

Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2025). U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. *Journal of Children and Media* , 19 , 194-212.

Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2025). U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. *Journal of Children and Media* , 19 (1), 194–212.  
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<https://doi.org/10.1002/jad.12326>

2024	<i>Journal of Adolescence</i>	Burnell, K.	Garrett, S.L†., Nelson, B.W., Prinstein, M.J., & Telzer, E.H.
2020	<i>Frontiers in Human Dynamics (Special Issue: Digital Media and Social Connection in the Lives of Children, Adolescents and</i>	Burnell, K.	George, M. J. & Underwood, M. K.
2020	<i>Frontiers in Human Dynamics</i>	Burnell, K.	George, M. J., & Underwood, M. K.
2021	<i>Journal of Adolescence</i>	Burnell	George, Jensen, Hoyle, & Odgers
2022	<i>Journal of Adolescent Health</i>	Burnell, K.	George, M. J., Jensen, M., Hoyle, R. H., & Odgers, C. L.

Daily links between objective smartphone use and sleep among adolescents

Browsing different Instagram profiles and associations with psychological well-being

Browsing Different Instagram Profiles and Associations With Psychological Well-Being

Associations Between Adolescents' Daily Digital Technology Use and Sleep

Associations between adolescents' daily digital technology use and sleep

Burnell, K., Garrett, S.L†., Nelson, B.W., Prinstein, M.J., & Telzer, E.H. (2024). Daily links between objective smartphone use and sleep among adolescents. *Journal of Adolescence*, 96, 1171-1181. <https://doi.org/10.1002/jad.12326>

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2021	<i>Psychology of Popular Media</i>	Burnell, K.	George, M. J., Kurup, A. R., & Underwood, M. K.
2021	<i>Psychology of Popular Media</i>	Burnell, K.	George, M. J., Kurup, A. R., & Underwood, M. K.
2021	<i>Communication Methods and Measures</i>	Burnell, K.	George, M. J., Kurup, A. R., Underwood, M. K., & Ackerman, R. A.
2019	<i>Cyberpsychology: Journal of Psychosocial Research on Cyberspace</i>	Burnell, K.	George, M. J., Vollet, J. W., Ehrenreich, S. E., & Underwood, M. K.
2022	<i>New Media &amp; Society</i>	Burnell, K.	Kurup, A. R. & Underwood, M. K.

“Ur a freakin goddess!”: Examining appearance commentary on Instagram

“Ur a freakin goddess!”: Examining appearance commentary on Instagram

Associations between self-reports and device-reports of social networking site use: An application of the Truth and Bias Model

Passive social networking site use and well-being: The mediating roles of social comparison and the fear of missing out

Snapchat lenses and body image concerns

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Burnell, K., Kurup, A. R., & Underwood, M. K. (2022). Snapchat lenses and body image concerns. *New Media & Society*, 24. 2088-2106.



2021	<i>Human Behavior and Emerging Technologies</i>	Burnell, K.	Kurup, A. R., Vollet, J. W., & Underwood, M. K.
2021	<i>Substance Use &amp; Misuse</i>	Burnell, K.	Kwiatek, S. M. & Hoyle, R. H.
2024	<i>Affective Science</i>	Burnell, K.	Trekels, J., Prinstein, M. J., & Telzer, E. H.
2024	<i>Affective Science</i>	Burnell, K.	Trekels, J., Prinstein, M. J., & Telzer, E. H.
2024	<i>Affective Science</i>	Burnell, K.	Trekels, J., Prinstein, M.J., & Telzer, E.H.

“So you think I’m cute?”: An observational study of adolescents’ appearance evaluation in text messaging

Are exclusive e-cigarette users unique?  
Comparing predictors of exclusive e-cigarette use to traditional tobacco use among U.S. adolescents

Adolescents’ social comparison on social media: Links with momentary self-evaluations

Adolescents’ Social Comparison on Social Media: Links with Momentary Self-Evaluations

Adolescents’ social comparison on social media: Links with momentary self-evaluations

Burnell, K., Kurup, A. R., Vollet, J. W., & Underwood, M. K. (2021). “So you think I’m cute?”: An observational study of adolescents’ appearance evaluation in text messaging. *Human Behavior and Emerging Technologies* , 3 , 798-810.

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2017	<i>Body Image</i>	Burnette	Kwitowski, Mazzeo
2017	<i>Body Image</i>	Burnette, C. B.	Kwitowski, M. A. & Mazzeo, S. E.
2017	<i>Journal of Experimental Social Psychology</i>	Burrow	Rainone
2019	<i>Sex Roles</i>	Butkowski	Dixon, Weeks
2022	<i>Computers in Human Behavior</i>	Buttner	Rudert

“I don’t need people to tell me I’m pretty on social media:” Aqualitative study of social media and body image in early adolescent girls

“I don’t need people to tell me I’m pretty on social media:” A qualitative study of social media and body image in early adolescent girls

How many likes did I get?: Purpose moderates links between positive social media feedback and self-esteem.

Body Surveillance on Instagram: Examining the Role of Selfie Feedback Investment in Young Adult Women’s Body Image Concerns

Why didn’t you tag me?!: Social exclusion from Instagram posts hurts, especially those with a high need to belong

Burnette, C. B., Kwitowski, M. A., & Mazzeo, S. E. (2017). "I don't need people to tell me I'm pretty on social media:" A qualitative study of social media and body image in early adolescent girls. *Body Image* , 23 (1), 114–125. <https://doi.org/10.1016/j.bodyim.2017.09.001>

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Burrow, A. L., & Rainone, N. (2017). How many likes did I get?: Purpose moderates links between positive social media feedback and self-esteem. *Journal of Experimental Social Psychology* , 69 (69), 232–236. <https://doi.org/10.1016/j.jesp.2016.09.005>

Butkowski, C.P., Dixon, T.L. & Weeks, K. (2019). Body Surveillance on Instagram: Examining the Role of Selfie Feedback Investment in Young Adult Women's Body Image Concerns. *Sex Roles*, 81, 385–397. <https://doi.org/10.1007/s11199-018-0993-6>

Büttner, C. M., & Rudert, S. C. (2022). Why didn't you tag me?!: Social exclusion from Instagram posts hurts, especially those with a high need to belong. *Computers in Human Behavior* , 127 (107062), 107062. <https://doi.org/10.1016/j.chb.2021.107062>

2013	<i>Nature reviews Neuroscience</i>	Button, K. S.	Ioannidis, J. P., Mokrysz, C., Nosek, B. A., Flint, J., Robinson, E. S., & Munafò, M. R.
2024	<i>Psychology of Popular Media</i>	Byrne	Yedigarian, Lauritzen, Choi, Pak, Fischer
2018	<i>Developmental Cognitive Neuroscience</i>	Cai, L.	Dong, Q. & Niu, H.
2024	<i>Nature</i>	Cai, X.	Liu, C., Tsutsui-Kimura, I., Lee, J.-H., Guo, C., Banerjee, A., Lee, J., Amo, R., Xie, Y., Patriarchi, T., Li, Y., Watabe-Uchida, M., Uchida, N., & Kaeser, P. S.
2020	<i>Development and Psychopathology</i>	Callaghan, B.L.	Fields, A. Gabard-Durnam, L., Gee, D.G., Caldera, C., Humphreys, K.L., Goff, B., Flannery, J., Telzer, E.H., Shapiro, M., & Tottenham N.

Power failure: why small sample size undermines the reliability of neuroscience

The Association Between Social Media Use and Body Dissatisfaction: Exploring a Potential Mechanism of Action in an Experimental Design

The development of functional network organization in early childhood and early adolescence: A resting-state fNIRS study

Dopamine dynamics are dispensable for movement but promote reward responses

Mind and gut: Associations between mood and gastrointestinal distress in children exposed to adversity



Button, K. S., Ioannidis, J. P., Mokrysz, C., Nosek, B. A., Flint, J., Robinson, E. S., & Munafò, M. R. (2013). Power failure: why small sample size undermines the reliability of neuroscience. *Nature reviews. Neuroscience*, 14(5), 365–376. <https://doi.org/10.1038/nrn3475>

Byrne, C., Yedigarian, S., Lauritzen, H. C., Choi, L., Pak, K. N., & Fischer, S. (2024). The association between social media use and body dissatisfaction: Exploring a potential mechanism of action in an experimental design. *Psychology of Popular Media*, 13(3), 324–330. <https://doi.org/10.1037/ppm0000480>

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2019	<i>Biological Psychiatry</i>	Callaghan, B.L.	Gee, D.G., Gabard-Durnam, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C. & Tottenham N.
2024	<i>Journal of Psychologists and Counsellors in Schools</i>	Campbell, M.	Edwards, E. J., Pennell, D., Poed, S., Lister, V., Gillett-Swan, J., Kelly, A., Zec, D., & Nguyen, T.-A.
2024	<i>Developmental Cognitive Neuroscience</i>	Capella, J†.	Telzer, E.H.
2023	<i>Developmental Cognitive Neuroscience</i>	Capella, J†.	Jorgenson, N.A†., Kwon, S†., Maza, M.T†., Prinstein M.J., Lindquist, K.A., & Telzer, E.H.
2014	<i>Body Image</i>	Carey, R. N.	Donaghue, N. & Broderick, P.

Decreased amygdala reactivity to parent cues protects against anxiety following early adversity: an examination across 3-years

Evidence for and against banning mobile phones in schools: A scoping review

A framework for integrating neural development and social networks in adolescence

Adolescents' neural sensitivity to high and low popularity: Longitudinal links to risk-taking and prosocial behavior

Body image concern among Australian adolescent girls: The role of body comparisons with models and peers

Callaghan, B.L., Gee, D.G., Gabard-Durnam, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C. & Tottenham N. (2019). Decreased amygdala reactivity to parent cues protects against anxiety following early adversity: an examination across 3-years. *Biological Psychiatry*, 4, 664-671. <https://doi.org/10.1016/j.bpsc.2019.02.001>

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Carey, R. N., Donaghue, N., & Broderick, P. (2014). Body image concern among Australian adolescent girls: The role of body comparisons with models and peers. *Body Image*, 11 (1), 81–84. <https://doi.org/10.1016/j.bodyim.2013.09.006>

2022	<i>Body Image</i>	Carter	Vartanian
2019	<i>The Lancet</i>	Carvalho, A. F.	Heilig, M., Perez, A., Probst, C., & Rehm, J.
2019	<i>Current Psychology</i>	Casale	Gemelli, Calosi, Giangrasso, Gioravanti
2015	<i>Annual Review of Psychology</i>	Casey, B. J.	N/A
2025	<i>Annals of the New York Academy of Sciences</i>	Casey, B. J.	Cohen, A. O., & Galvan, A.

Self-concept clarity and appearance-based social comparison to idealized bodies
Alcohol use disorders
Multiple exposure to appearance-focused real accounts on Instagram: Effects on body image among both genders
Beyond Simple Models of Self-Control to Circuit-Based Accounts of Adolescent Behavior
The beautiful adolescent brain: An evolutionary developmental perspective

Carter, J. J., & Vartanian, L. R. (2022). Self-concept clarity and appearance-based social comparison to idealized bodies. *Body Image* , 40 , 124–130.  
<https://doi.org/10.1016/j.bodyim.2021.12.001>

Carvalho, A. F., Heilig, M., Perez, A., Probst, C., & Rehm, J. (2019). Alcohol use disorders. *The Lancet*, 394(10200), 781–792. [https://doi.org/10.1016/S0140-6736\(19\)31775-1](https://doi.org/10.1016/S0140-6736(19)31775-1)

Casale, S., Gemelli, G., Calosi, C., Giangrasso, B., & Fioravanti, G. (2019). Multiple exposure to appearance-focused real accounts on Instagram: Effects on body image among both genders. *Current Psychology* , 40 (6). <https://doi.org/10.1007/s12144-019-00229-6>

Casey, B. J. (2015). Beyond Simple Models of Self-Control to Circuit-Based Accounts of Adolescent Behavior. *Annual Review of Psychology* , 66 (1), 295–319.  
<https://doi.org/10.1146/annurev-psych-010814-015156>

Casey, B. J., Cohen, A. O., & Galvan, A. (2025). The beautiful adolescent brain: An evolutionary developmental perspective. *Annals of the New York Academy of Sciences*, 1546(1), 58–74. <https://doi.org/10.1111/nyas.15314>

2010	<i>Neuron</i>	Casey, B. J.	Duhoux, S., & Cohen, M. M.
2019	<i>Neuroscience Letters</i>	Casey, B. J.	Heller, A. S., Gee, D. G., & Cohen, A. O.
2022	<i>Annual Review of Criminology</i>	Casey, B. J.	Simmons, C., Somerville, L. H., & Baskin-Sommers, A.
1997	<i>Journal of Cognitive Neuroscience</i>	Casey, B. J.	Trainor, R. J., Orendi, J. L., Schubert, A. B., Nystrom, L. E., Giedd, J. N., Castellanos, F. X., Haxby, J. V., Noll, D. C., Cohen, J. D., Forman, S. D., Dahl, R. E., & Rapoport, J. L.
2006	<i>Nature reviews Neuroscience</i>	Caspi, A.	Moffitt, T. E.



Adolescence: What Do Transmission, Transition, and Translation Have to Do with It?

Development of the emotional brain

Making the Sentencing Case: Psychological and Neuroscientific Evidence for Expanding the Age of Youthful Offenders

A Developmental Functional MRI Study of Prefrontal Activation during Performance of a Go-No-Go Task

Gene-environment interactions in psychiatry: joining forces with neuroscience

Casey, B. J., Duhoux, S., & Cohen, M. M. (2010). Adolescence: What Do Transmission, Transition, and Translation Have to Do with It? *Neuron*, 67(5), 749–760.  
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<https://doi.org/10.1038/nrn1925>

2017	<i>Cultural Diversity and Ethnic Minority Psychology</i>	Causadias, J.	Telzer, E.H. & Lee, R.
2018	<i>Wiley Press</i>	Causadias, J.M.	Telzer, E.H. & Gonzales, N.A.
2018	<i>Wiley Press</i>	Causadias, J.M.	Telzer, E.H., & Gonzales, N.A. Eds.
2020	<i>International Journal of Eating Disorders</i>	Cavazos-Rehg	Fitzsimmons-Craft, Krauss, Anako, Xu, Kasson, Costello, Wilfley
2025	N/A	CDC	N/A

Culture biology interplay: An introduction

Introduction to culture and biology interplay (pgs. 465-488). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). The Handbook of Culture and Biology

The Handbook of Culture and Biology.

Examining the self-reported advantages and disadvantages of socially networking about body image and eating disorders

Youth Risk Behavior Surveillance System

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2022	<i>Stigma and Health</i>	Cha	Mayers, Stutts
2017	<i>Computers in Human Behavior</i>	Chae	N/A
2023	<i>New Media &amp; Society.</i>	Chansiri K.	Wongphotothiphan T.
2021	<i>New Media &amp; Society</i>	Chansiri	Wangphotothiphan
2022	<i>Technology, Mind and Behavior</i>	Charmaraman	Lynch, Richer, & Zhai

The Impact of Curvy Fitspiration and Fitspiration on Body Dissatisfaction, Negative Mood, and Weight Bias in Women

Virtual makeover: Selfie-taking and social media use increase selfie-editing frequency through social comparison

The indirect effects of Instagram images on women's self-esteem: The moderating roles of BMI and perceived weight.

The indirect effects of Instagram images on women's self-esteem: The moderating roles of BMI and perceived weight

Examining early adolescent positive and negative social technology behaviors and well-being during the COVID-19 pandemic.

Cha, H. S., Mayers, J. A., & Stutts, L. A. (2022). The impact of curvy fitspiration and fitspiration on body dissatisfaction, negative mood, and weight bias in women. *Stigma and Health*, 7(2), 226–233. <https://doi.org/10.1037/sah0000367>

Chae, J. (2017). Virtual makeover: Selfie-taking and social media use increase selfie-editing frequency through social comparison. *Computers in Human Behavior*, 66 (66), 370–376. <https://doi.org/10.1016/j.chb.2016.10.007>

Chansiri K, Wongphothipphan T. (2023). The indirect effects of Instagram images on women's self-esteem: The moderating roles of BMI and perceived weight. *New Media & Society*, 25(10), 2572-2594.

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Charmaraman, L., Lynch, A. D., Richer, A. M., & Zhai, E. (2022). Examining early adolescent positive and negative social technology behaviors and well-being during the COVID-19 pandemic. *Technology, Mind, and Behavior*, 3(1). <https://doi.org/10.1037/tmb0000062>



2021	<i>Journal of Adolescent Health</i>	Charmaraman	Richer, Ben-Joseph, Klerman
2021	<i>Journal of Development Behavior Pediatrics</i>	Charmaraman	Richer, Liu, Lynch, Moreno
2022	<i>Frontiers in Psychology</i>	Chase	Brown, & Jensen
2020	<i>The Journal of Consumer Affairs</i>	Chatzopoulou	Filieri, Dogruyol
2012	<i>Biological Psychiatry</i>	Cheetham, A.	Allen, N. B., Whittle, S., Simmons, J. G., Yücel, M., & Lubman, D. I.

Quantity, Content, and Context Matter: Associations Among Social Technology Use and Sleep Habits in Early Adolescents
Early Adolescent Social Media–Related Body Dissatisfaction: Associations with Depressive Symptoms, Social Anxiety, Peers, and Celebrities
Emerging adults’ digital technology engagement and mental health during the COVID-19 pandemic
Instagram and body image: Motivation to conform to the “Instabod” and consequences on young male wellbeing
Orbitofrontal Volumes in Early Adolescence Predict Initiation of Cannabis Use: A 4-Year Longitudinal and Prospective Study

Charmaraman, L., Richer, A. M., Ben-Joseph, E. P., & Klerman, E. B. (2021). Quantity, Content, and Context Matter: Associations Among Social Technology Use and Sleep Habits in Early Adolescents. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine* , 69 (1), 162–165. <https://doi.org/10.1016/j.jadohealth.2020.09.035>

Charmaraman, L., Richer, A. M., Liu, C., Lynch, A. D., & Moreno, M. A. (2021). Early Adolescent Social Media-Related Body Dissatisfaction: Associations with Depressive Symptoms, Social Anxiety, Peers, and Celebrities. *Journal of developmental and behavioral pediatrics : JDBP* , 42 (5), 401–407. <https://doi.org/10.1097/DBP.0000000000000911>

Chase, G. E., Brown, M. T., & Jensen, M. (2022). Emerging adults’ digital technology engagement and mental health during the COVID-19 pandemic. *Frontiers in Psychology* , 13 . <https://doi.org/10.3389/fpsyg.2022.1023514>

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2011	<i>Developmental Science</i>	Chein, J.	Albert, D., O'Brien, L., Uckert, K., & Steinberg, L.
2019	<i>JAMA Facial Plast Surg.</i>	Chen J.	Ishii M, Bater KL, Darrach H, Liao D, Huynh PP, Reh IP, Nellis JC, Kumar AR, Ishii LE.
2021	<i>In Computers &amp; Education</i>	Chen, J.	Lin, C.-H., Chen, G.
2000	<i>European Journal of Pharmacology</i>	Chen, N.	Reith, M. E. A.
2020	<i>Developmental Psychology</i>	Chen, X†.	McCormick, E.M†., Ravindran, N†., McElwain, N., & Telzer, E.H.

Peers increase adolescent risk taking by enhancing activity in the brain's reward circuitry

Association Between the Use of Social Media and Photograph Editing Applications, Self-esteem, and Cosmetic Surgery Acceptance.

A cross-cultural perspective on the relationships among social media use, self-regulated learning and adolescents' digital reading literacy

Structure and function of the dopamine transporter

Maternal emotion socialization in early childhood predicts adolescents' amygdala-vmPFC functional connectivity to emotion faces

Chein, J., Albert, D., O'Brien, L., Uckert, K., & Steinberg, L. (2011). Peers increase adolescent risk taking by enhancing activity in the brain's reward circuitry. *Developmental Science*, 14 (2), F1–F10.

Chen J, Ishii M, Bater KL, Darrach H, Liao D, Huynh PP, Reh IP, Nellis JC, Kumar AR, Ishii LE. (2019). Association Between the Use of Social Media and Photograph Editing Applications, Self-esteem, and Cosmetic Surgery Acceptance. *JAMA Facial Plast Surg*, 21(5):361-367.

Chen, J., Lin, C.-H., & Chen, G. (2021). A cross-cultural perspective on the relationships among social media use, self-regulated learning and adolescents' digital reading literacy. In *Computers & Education* (Vol. 175, p. 104322). Elsevier BV. <https://doi.org/10.1016/j.compedu.2021.104322>

Chen, N., & Reith, M. E. A. (2000). Structure and function of the dopamine transporter. *European Journal of Pharmacology*, 405(1–3), 329–339. [https://doi.org/10.1016/S0014-2999\(00\)00563-X](https://doi.org/10.1016/S0014-2999(00)00563-X)

Chen, X†., McCormick, E.M†., Ravindran, N†., McElwain, N., & Telzer, E.H. (2020). Maternal emotion socialization in early childhood predicts adolescents' amygdala-vmPFC functional connectivity to emotion faces. *Developmental Psychology*, 56(3), 503–515. <https://doi.org/10.1037/dev0000852>. Special issue on Parental socialization on emotion and self-regulation: Understanding processes and application.

2021	<i>Addictive Behaviors</i>	Cheng, C.	Lau, Y., Chan, L., & Luk, J. W.
2020	<i>Healthline.</i>	Cherney, K.	N/A
2008	<i>Neuron</i>	Chiu, P. H.	Kayali, M. A., Kishida, K. T., Tomlin, D., Klinger, L. G., Klinger, M. R., & Montague, P. R.
2020	<i>Unicef Office of Global Insight and Policy</i>	Cho A.	Byrne, J.
2017	<i>Neuron</i>	Cho, J. R.	Treweek, J. B., Robinson, J. E., Xiao, C., Bremner, L. R., Greenbaum, A., & Gradinaru, V.

Prevalence of social media addiction across 32 nations: Meta-analysis with subgroup analysis of classification schemes and cultural values.

Social Media Addiction: What It Is and What to Do About It.

Self Responses along Cingulate Cortex Reveal Quantitative Neural Phenotype for High-Functioning Autism.

Digital civic enagement by young people

Dorsal Raphe Dopamine Neurons Modulate Arousal and Promote Wakefulness by Salient Stimuli.



Cheng, C., Lau, Y., Chan, L., & Luk, J. W. (2021). Prevalence of social media addiction across 32 nations: Meta-analysis with subgroup analysis of classification schemes and cultural values. *Addictive Behaviors*, 117, 106845. <https://doi.org/10.1016/j.addbeh.2021.106845>

Cherney, K. (2020, August 6). Social Media Addiction: What It Is and What to Do About It. Healthline. <https://www.healthline.com/health/social-media-addiction>

Chiu, P. H., Kayali, M. A., Kishida, K. T., Tomlin, D., Klinger, L. G., Klinger, M. R., & Montague, P. R. (2008). Self Responses along Cingulate Cortex Reveal Quantitative Neural Phenotype for High-Functioning Autism. *Neuron*, 57(3), 463–473. <https://doi.org/10.1016/j.neuron.2007.12.020>

Cho A, Byrne J, Pelter Z. UNICEF Office of Global Insight and Policy. 2020. [December 28, 2023]. Digital civic engagement by young people. <https://www.unicef.org/globalinsight/reports/digital-civic-engagement-young-people#:~:text=Digital%20civic%20engagement%20by%20youth%20can%20include%20digital,belonging%20to%20a%20campus%20or%20community%20group%20online>

Cho, J. R., Treweek, J. B., Robinson, J. E., Xiao, C., Bremner, L. R., Greenbaum, A., & Gradinaru, V. (2017). Dorsal Raphe Dopamine Neurons Modulate Arousal and Promote Wakefulness by Salient Stimuli. *Neuron*, 94(6), 1205-1219.e8. <https://doi.org/10.1016/j.neuron.2017.05.020>

2012	<i>Cyberpsychology, Behavior, and Social Networking</i>	Chou, H.-T. G.	Edge, N.
2006	<i>Social Cognitive and Affective Neuroscience</i>	Choudhury, S.	Blakemore, S.-J. & Charman, T.
2020	<i>Body Image</i>	Choukas-Bradley, S.	Nesi, J., Widman, L., & Galla, B. M.
2018	<i>Psychology of Popular Media Culture</i>	Choukas-Bradley	Nesi, Widman, Higgins
2022	<i>Clinical Child and Family Psychology Review</i>	Choukas-Bradley, S.	Roberts, S. R., Maheux, A. J., & Nesi, J.

<p>“They Are Happier and Having Better Lives than I Am”: The Impact of Using Facebook on Perceptions of Others’ Lives</p>
<p>Social cognitive development during adolescence</p>
<p>The Appearance-Related Social Media Consciousness Scale: Development and validation with adolescents</p>
<p>Camera-Ready: Young Women’s Appearance-Related Social Media Consciousness</p>
<p>The perfect storm: A developmental–sociocultural framework for the role of social media in adolescent girls’ body image concerns and mental health</p>

Chou, H.-T. G., & Edge, N. (2012). “They Are Happier and Having Better Lives than I Am”: The Impact of Using Facebook on Perceptions of Others’ Lives. *Cyberpsychology, Behavior, and Social Networking* , 15 (2), 117–121. <https://doi.org/10.1089/cyber.2011.0324>

Choudhury, S., Blakemore, S.-J., & Charman, T. (2006). Social cognitive development during adolescence. *Social Cognitive and Affective Neuroscience* , 1 (3), 165–174. <https://doi.org/10.1093/scan/nsi024>

Choukas-Bradley, S., Nesi, J., Widman, L., & Galla, B. M. (2020). The Appearance-Related Social Media Consciousness Scale: Development and validation with adolescents. *Body Image* , 33 , 164–174. <https://doi.org/10.1016/j.bodyim.2020.02.017>

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Choukas-Bradley, S., Roberts, S. R., Maheux, A. J., & Nesi, J. (2022). The perfect storm: A developmental–sociocultural framework for the role of social media in adolescent girls’ body image concerns and mental health. *Clinical Child and Family Psychology Review* , 25(4), 681–701. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9287711/>

2025	<i>JAMA Pediatrics</i>	Christakis	Mathew, Reichberger, Rodriguez, Ren, Hale
2025	<i>JAMA Pediatrics</i>	Christakis, D. A.	Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L.
2016	<i>Computers in Human Behavior</i>	Chua, T. H. H.	Chang, L.
2025	<i>Psychology, Health &amp; Medicine</i>	Ciftci, N.	Sarman, A., Coban, M.
2012	<i>Neurobiology of Aging</i>	Clapp, W. C.	Gazzaley, A.

Adolescent Smartphone Use During School Hours
Adolescent Smartphone Use During School Hours
Follow me and like my beautiful selfies: Singapore Teenage Girls' Engagement in self-presentation and Peer Comparison on Social Media
The relationship between social media addiction, insomnia, and depression in adolescents
Distinct mechanisms for the impact of distraction and interruption on working memory in aging

Christakis, D. A., Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L. (2025). Adolescent Smartphone Use During School Hours. *JAMA Pediatrics* .  
<https://doi.org/10.1001/jamapediatrics.2024.6627>

Christakis, D. A., Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L. (2025). Adolescent Smartphone Use During School Hours. *JAMA Pediatrics* .  
<https://doi.org/10.1001/jamapediatrics.2024.6627>

Chua, T. H. H., & Chang, L. (2016). Follow me and like my beautiful selfies: Singapore Teenage Girls' Engagement in self-presentation and Peer Comparison on Social Media. *Computers in Human Behavior* , 55(A), 190–197.  
<https://doi.org/10.1016/j.chb.2015.09.011>

Çiftci, N., Sarman, A., & Çoban, M. (2025). The relationship between social media addiction, insomnia, and depression in adolescents. *Psychology, Health & Medicine* , 1–16.  
<https://doi.org/10.1080/13548506.2025.2465659>

Clapp, W. C., & Gazzaley, A. (2012). Distinct mechanisms for the impact of distraction and interruption on working memory in aging. *Neurobiology of Aging* , 33 (1), 134–148.  
<https://doi.org/10.1016/j.neurobiolaging.2010.01.012>

1995	<i>Psychological Assessment</i>	Clark, L. A.	Watson, D.
2019	<i>Molecular Psychiatry</i>	Clark, L.	Boileau, I., & Zack, M.
2009	<i>Neuron</i>	Clark, L.	Lawrence, A. J., Astley-Jones, F., & Gray, N.
2015	<i>Journal of Eating Disorders</i>	Cohen	Blaszczynski
2019	<i>New Media &amp; Society</i>	Cohen	Fardouly, Newton-John, Slater



Constructing validity: Basic issues in objective scale development
Neuroimaging of reward mechanisms in Gambling disorder: An integrative review.
Gambling Near-Misses Enhance Motivation to Gamble and Recruit Win-Related Brain Circuitry
Comparative effects of Facebook and conventional media on body image dissatisfaction
#BoPo on Instagram: An experimental investigation of the effects of viewing body positive content on young women's mood and body image

Clark, L. A., & Watson, D. (1995). Constructing validity: Basic issues in objective scale development. *Psychological Assessment*, 7 (3), 309–319. <https://doi.org/10.1037/1040-3590.7.3.309>

Clark, L., Boileau, I., & Zack, M. (2019). Neuroimaging of reward mechanisms in Gambling disorder: An integrative review. *Molecular Psychiatry*, 24(5), 674–693. <https://doi.org/10.1038/s41380-018-0230-2>

Clark, L., Lawrence, A. J., Astley-Jones, F., & Gray, N. (2009). Gambling Near-Misses Enhance Motivation to Gamble and Recruit Win-Related Brain Circuitry. *Neuron*, 61 (3), 481–490. <https://doi.org/10.1016/j.neuron.2008.12.031>

Cohen, R., & Blaszczynski, A. (2015). Comparative effects of Facebook and conventional media on body image dissatisfaction. *Journal of Eating Disorders*, 3 (1). <https://doi.org/10.1186/s40337-015-0061-3>

Cohen, R., Fardouly, J., Newton-John, T., & Slater, A. (2019). #BoPo on Instagram: An experimental investigation of the effects of viewing body positive content on young women's mood and body image. *New Media & Society*, 21(7), 1546–1564. <https://doi.org/10.1177/1461444819826530>

2017	<i>Body Image</i>	Cohen	Newton-John, Slater
2013	<i>Child Development</i>	Cohen-Gilbert, J. E.	Thomas, K. M.
2019	<i>Cyberpsychology, Behavior, &amp; Social Networking</i>	Cole	Nick, Varga, Smith, Zelkowitz, Ford, & Lédeczi
2011	<i>Developmental Psychology</i>	Cole, S.W.	Arevalo, J.M.G., Manu, K., Telzer, E.H., Kiang, L., Bower, J.E., Irwin, M.R., Fuligni A.J.
2022	<i>PLOS ONE</i>	Collis, A.	Eggers, F.

The relationship between Facebook and Instagram appearance-focused activities and body image concerns in young women

Inhibitory Control During Emotional Distraction Across Adolescence and Early Adulthood

Are Aspects of Twitter Use Associated with Reduced Depressive Symptoms? The Moderating Role of In-Person Social Support

Antagonistic pleiotropy at the human IL6 promoter confers genetic resilience to the pro-inflammatory effects of adverse social conditions in adolescence

Effects of restricting social media usage on wellbeing and performance: A randomized control trial among students

Cohen, R., Newton-John, T., & Slater, A. (2017). The relationship between Facebook and Instagram appearance-focused activities and body image concerns in young women. *Body Image* , 23 (1), 183–187. <https://doi.org/10.1016/j.bodyim.2017.10.002>

Cohen-Gilbert, J. E., & Thomas, K. M. (2013). Inhibitory Control During Emotional Distraction Across Adolescence and Early Adulthood. *Child Development* , 84 (6), 1954–1966. <https://doi.org/10.1111/cdev.12085>

Cole, D. A., Nick, E. A., Varga, G., Smith, D., Zelkowitz, R. L., Ford, M. A., & Lédeczi, Á. (2019). Are Aspects of Twitter Use Associated with Reduced Depressive Symptoms? The Moderating Role of In-Person Social Support. *Cyberpsychology, Behavior, and Social Networking* , 22 (11), 692–699. <https://doi.org/10.1089/cyber.2019.0035>

Cole, S.W., Arevalo, J.M.G., Manu, K., Telzer, E.H., Kiang, L., Bower, J.E., Irwin, M.R., Fuligni A.J. (2011). Antagonistic pleiotropy at the human IL6 promoter confers genetic resilience to the pro-inflammatory effects of adverse social conditions in adolescence. *Developmental Psychology*, 47, 1173-1180. <https://doi.org/10.1037/a0023871>

Collis, A., & Eggers, F. (2022). Effects of restricting social media usage on wellbeing and performance: A randomized control trial among students. *PLOS ONE* , 17 (8), e0272416. <https://doi.org/10.1371/journal.pone.0272416>

2010	<i>Journal of Abnormal Psychology</i>	Cooper, L. D.	Balsis, S., Zimmerman, M.
2018	<i>eLife</i>	Corre, J.	van Zessen, R., Loureiro, M., Patriarchi, T., Tian, L., Pascoli, V., & Lüscher, C.
2019	<i>Clinical Psychological Science</i>	N/A	N/A
2015	<i>Curr Top Behav Neurosci</i>	Cosgrove, K.P.	Esterlis, I., Sandiego, C., Petrulli, R., Morris, E.D.
2020	<i>Computers in Human Behavior</i>	Couture Bue, A.C.	N/A

Challenges associated with a polythetic diagnostic system: Criteria combinations in the personality disorders

Dopamine neurons projecting to medial shell of the nucleus accumbens drive heroin reinforcement

Increases in Depressive Symptoms, Suicide-Related Outcomes, and Suicide Rates Among U.S. Adolescents After 2010 and Links to Increased New Media Screen Time.

Imaging Tobacco Smoking with PET and SPECT

The looking glass selfie: Instagram use frequency predicts visual attention to high-anxiety body regions in young women

Cooper, L. D., Balsis, S., & Zimmerman, M. (2010). Challenges associated with a polythetic diagnostic system: Criteria combinations in the personality disorders. *Journal of Abnormal Psychology*, 119(4), 886–895.

Corre, J., van Zessen, R., Loureiro, M., Patriarchi, T., Tian, L., Pascoli, V., & Lüscher, C. (2018). Dopamine neurons projecting to medial shell of the nucleus accumbens drive heroin reinforcement. *eLife*, 7, e39945. <https://doi.org/10.7554/eLife.39945>

Corrigendum: Increases in Depressive Symptoms, Suicide-Related Outcomes, and Suicide Rates Among U.S. Adolescents After 2010 and Links to Increased New Media Screen Time. (2019). *Clinical Psychological Science*, 7(2), 397. <https://doi.org/10.1177/2167702618824060>

Cosgrove K.P., Esterlis, I., Sandiego, C., Petrulli, R., Morris, E.D. Imaging Tobacco Smoking with PET and SPECT. *Curr Top Behav Neurosci* . 2015;24:1-17. doi: 10.1007/978-3-319-13482-6\_1

Couture Bue, A. C. (2020). The looking glass selfie: Instagram use frequency predicts visual attention to high-anxiety body regions in young women. *Computers in Human Behavior* , 108 , 106329. <https://doi.org/10.1016/j.chb.2020.106329>



2020	<i>Body Image</i>	Couture Bue, A.C.	Harrison, K.
2023	<i>Body Image</i>	Cowles, E.	Guest, E., & Slater, A.
2021	<i>Journal of Youth and Adolescence</i>	Coyne, S.M.	Hurst, J. L., Dyer, W. J., Hunt, Q., Schvanaveldt, E., Brown, S., & Jones, G.
2018	<i>Journal of Research on Adolescence</i>	Coyne, S.M.	Padilla-Walker, L. M., Holmgren, H. G., & Stockdale, L. A.
2020	<i>Computers in Human Behavior</i>	Coyne, S. M.	Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M.

Visual and cognitive processing of thin-ideal Instagram images containing idealized or disclaimer comments

Imagery versus captions: The effect of body positive Instagram content on young women's mood and body image

Suicide Risk in Emerging Adulthood: Associations with Screen Time over 10 years

Instagrowth: A Longitudinal Growth Mixture Model of Social Media Time Use Across Adolescence

Does time spent using social media impact mental health?: An eight year longitudinal study

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Cowles, E., Guest, E., & Slater, A. (2023). Imagery versus captions: The effect of body positive Instagram content on young women’s mood and body image. *Body Image* , 44 , 120–130. <https://doi.org/10.1016/j.bodyim.2022.12.004>

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Coyne, S. M., Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M. (2020). Does time spent using social media impact mental health?: An eight year longitudinal study. *Computers in Human Behavior* , 104,106160. <https://doi.org/10.1016/j.chb.2019.106160>.

2020	<i>Computers in Human Behavior</i>	Coyne, S. M.	Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M.
2020	<i>Computers in Human Behavior</i>	Coyne, S.M.	Rogers, A., Zurcher, J., Sto
2023	<i>Pediatrics</i>	Coyne, S.M.	Weinstein, E., Sheppard, J. A., James, S., Gale, M., Van Alfen, M., Ririe, N., Monson, C., Ashby, S., Weston, A., & Banks, K.
2021	<i>Social Media + Society</i>	Craig, S. L.	Eaton, A. D., McInroy, L. B., Leung, V. W. Y., & Krishnan, S.
2006	<i>Trends in cognitive sciences</i>	Craik, F. I.	Bialystok, E.

Does time spent using social media impact mental health?: An eight year longitudinal study

Does time spent using social media impact mental health?: An eight year longitudinal study

Analysis of Social Media Use, Mental Health, and Gender Identity Among US Youths

Can Social Media Participation Enhance LGBTQ+ Youth Well-Being? Development of the Social Media Benefits Scale

Cognition through the lifespan: mechanisms of change

Coyne, S. M., Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M. (2020). Does time spent using social media impact mental health?: An eight year longitudinal study. *Computers in Human Behavior*, 104,106160. <https://doi.org/10.1016/j.chb.2019.106160>.

Coyne, S. M., Rogers, A., Zurcher, J., Stockdale, L., Booth, M. (2020). Does time spent using social media impact mental health?: An eight year longitudinal study. *Computers in Human Behavior* , 104 (106160). <https://doi.org/10.1016/j.chb.2019.106160>

Coyne, S. M., Weinstein, E., Sheppard, J. A., James, S., Gale, M., Van Alfen, M., Ririe, N., Monson, C., Ashby, S., Weston, A., & Banks, K. (2023). Analysis of Social Media Use, Mental Health, and Gender Identity Among US Youths. *JAMA Network Open* , 6 (7), e2324389. <https://doi.org/10.1001/jamanetworkopen.2023.24389>

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Craik, F. I., & Bialystok, E. (2006). Cognition through the lifespan: mechanisms of change. *Trends in cognitive sciences*, 10(3), 131-138.

2017	<i>PLoS ONE</i>	Cremers, H.R.	Wager, T.D., Yarkoni, T.
2007	<i>Pharmacol Biochem Behav.</i>	Crews F.	He J, Hodge C.
2024	<i>Journal of Consumer Psychology</i>	Crolic, C.	Zubcsek, P.P., Stephen, A.
2012	<i>Nature Reviews Neuroscience</i>	Crone, E. A.	Dahl, R. E.
2015	<i>Wiley Interdisciplinary Reviews: Cognitive Science</i>	Crone, E. A.	Elzinga, B. M.

The relation between statistical power and inference in fMRI
Adolescent cortical development: A critical period of vulnerability for addiction.
Social platform use and psychological well-being
Understanding adolescence as a period of social–affective engagement and goal flexibility
Changing brains: how longitudinal functional magnetic resonance imaging studies can inform us about cognitive and social-affective growth trajectories



Cremers, H.R., Wager, T.D., Yarkoni, T. (2017) The relation between statistical power and inference in fMRI. PLoS ONE 12(11): e0184923.

Crews F, He J, Hodge C. (2007). Adolescent cortical development: a critical period of vulnerability for addiction. *Pharmacol Biochem Behav*, 86(2):189-99.

Crolic, C., Zubcsek, P.P., Stephen, A. T., & Brooks, G. (2024). Social platform use and psychological well-being. *Journal of Consumer Psychology*. <https://doi.org/10.1002/jcpy.1437>

Crone, E. A., & Dahl, R. E. (2012). Understanding adolescence as a period of social–affective engagement and goal flexibility. *Nature Reviews Neuroscience*, 13 (9), 636–650. <https://doi.org/10.1038/nrn3313>

Crone, E. A., & Elzinga, B. M. (2015). Changing brains: how longitudinal functional magnetic resonance imaging studies can inform us about cognitive and social-affective growth trajectories. *Wiley Interdisciplinary Reviews: Cognitive Science*, 6 (1), 53–63. <https://doi.org/10.1002/wcs.1327>

2018	<i>Nature Communications</i>	Crone, E. A.	Konijn, E. A.
2021	<i>Developmental Review</i>	Crone, E. A.	van Duijvenvoorde, A. C.
2018	<i>Journal of Adolescence</i>	Crowley, S. J.	Wolfson, A. R., Tarokh, L., & Carskadon, M. A.
2007	<i>Sleep Med</i>	Crowley, S.J.	et al.
2014	<i>Personality and Social Psychology Review</i>	Cruwys, T.	Haslam, S. A., Dingle, G. A., Haslam, C., & Jetten, J.

Media Use and Brain Development during Adolescence
Multiple pathways of risk taking in adolescence
An update on adolescent sleep: New evidence informing the perfect storm model
Sleep, circadian rhythms, and delayed phase in adolescence
Depression and Social Identity

Crone, E. A., & Konijn, E. A. (2018). Media Use and Brain Development during Adolescence. *Nature Communications* , 9 (1). <https://doi.org/10.1038/s41467-018-03126-x>

Crone, E. A., & van Duijvenvoorde, A. C. (2021). Multiple pathways of risk taking in adolescence. *Developmental Review*, 62, 100996

Crowley, S. J., Wolfson, A. R., Tarokh, L., & Carskadon, M. A. (2018). An update on adolescent sleep: New evidence informing the perfect storm model. *Journal of Adolescence* , 67 (67), 55–65. <https://doi.org/10.1016/j.adolescence.2018.06.001>

Crowley, S.J. et al. (2007) Sleep, circadian rhythms, and delayed phase in adolescence. *Sleep Med.* 8, 602–612.

Cruwys, T., Haslam, S. A., Dingle, G. A., Haslam, C., & Jetten, J. (2014). Depression and Social Identity. *Personality and Social Psychology Review* , 18 (3), 215–238. <https://doi.org/10.1177/1088868314523839>

2021	<i>Research on Child and Adolescent Psychopathology</i>	Cunningham, S.	Hudson, C.C., Harkness, K.
2024	<i>Science Advances</i>	da Silva Pinho, A.	Céspedes Izquierdo, V., Lindström, B., & van den Bos, W.
2002	<i>Journal of Adolescent Health</i>	Dahl, R. E.	Lewin, D. S.
2023	<i>Social Cognitive Affective Neuroscience</i>	Dai, J†.	Jorgensen, N.A†., Duel, N†., Capella, J†., Maza, M†., Kwon, S-J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Human Brain Mapping</i>	Dai, J†.	Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A.

Social media and depression symptoms: A meta-analysis.

Youths' sensitivity to social media feedback: A computational account.

Pathways to adolescent health sleep regulation and behavior

Neural tracking of social hierarchies in adolescents' real-world social networks

Neural similarity in nucleus accumbens during decision making for the self and a best friend: Links to adolescents' self-reported susceptibility to peer influence and risk taking

Cunningham, S., Hudson, C. C., & Harkness, K. (2021). Social media and depression symptoms: A meta-analysis. *Research on Child and Adolescent Psychopathology* , 49 (2). <https://doi.org/10.1007/s10802-020-00715-7>

da Silva Pinho, A., Céspedes Izquierdo, V., Lindström, B., & van den Bos, W. (2024). Youths' sensitivity to social media feedback: A computational account. *Science Advances* , 10 (43). <https://doi.org/10.1126/sciadv.adp8775>

Dahl, R. E., & Lewin, D. S. (2002). Pathways to adolescent health sleep regulation and behavior. *Journal of Adolescent Health* , 31 (6), 175–184. [https://doi.org/10.1016/s1054-139x\(02\)00506-2](https://doi.org/10.1016/s1054-139x(02)00506-2)

Dai, J†., Jorgensen, N.A†., Duel, N†., Capella, J†., Maza, M†., Kwon, S-J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neural tracking of social hierarchies in adolescents' real-world social networks. *Social Cognitive Affective Neuroscience*, 18, nsad064. <https://doi.org/10.1093/scan/nsad064>

Dai, J†., Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A. (2023). Neural similarity in nucleus accumbens during decision making for the self and a best friend: Links to adolescents' self-reported susceptibility to peer influence and risk taking. *Human Brain Mapping*, 44, 3972-3985. <http://doi.org/10.1002/hbm.26317>

2024	<i>PPM</i>	Dajches, L.	Gahler, H., Terán, L., Yan, K., Zeng, J., & Aubrey, J. S.
2009	<i>Archives of pediatrics &amp; adolescent medicine</i>	Danese, A.	Moffitt, T. E., Harrington, H., Milne, B. J., Polanczyk, G., Pariante, C. M., Poulton, R., & Caspi, A.
2020	<i>Emerging Adulthood</i>	Daniels, E.A.	N/A
2025	<i>Pew Research Center</i>	Dannenbaum, C.	N/A
2021	<i>British Journal of Health Psychology</i>	Danthinne, E.S.	Giorgianni, F. E., Ando, K., & Rodgers, R. F.



“I Made You Look”... and Comment:  
Exploring the Role of TikTok on Body Image  
and Acceptance of Cosmetic Surgery

Adverse childhood experiences and adult risk  
factors for age-related disease: depression,  
inflammation, and clustering of metabolic  
risk markers

Does Objectification on Social Media Cost  
Young Men?

5 Facts About Americans and YouTube.

Real beauty: Effects of a body-positive video  
on body image and capacity to mitigate  
exposure to social media images

Dajches, L., Gahler, H., Terán, L., Yan, K., Zeng, J., & Aubrey, J. S. (2024). “I made you look”... and comment: Exploring the role of TikTok on body image and acceptance of cosmetic surgery. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000566>

Danese, A., Moffitt, T. E., Harrington, H., Milne, B. J., Polanczyk, G., Pariante, C. M., Poulton, R., & Caspi, A. (2009). Adverse childhood experiences and adult risk factors for age-related disease: depression, inflammation, and clustering of metabolic risk markers. *Archives of pediatrics & adolescent medicine*, 163(12), 1135–1143. <https://doi.org/10.1001/archpediatrics.2009.214>

Daniels, E. A. (2020). Does objectification on social media cost young men? *Emerging Adulthood*, 8(3), 226–236. <https://doi.org/10.1177/2167696818804051>

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Danthinne, E. S., Giorgianni, F. E., Ando, K., & Rodgers, R. F. (2021). Real beauty: Effects of a Body-positive Video on Body Image and Capacity to Mitigate Exposure to Social Media Images. *British Journal of Health Psychology*, 27 (2). <https://doi.org/10.1111/bjhp.12547>

2020	<i>Journal of Child Psychology and Psychiatry</i>	Das-Friebel, A.	Lenneis, A., Realo, A., Sanborn, A., Tang, N. K. Y., Wolke, D., Mühlenen, A., & Lemola, S.
2018	<i>Trends in Cognitive Sciences</i>	Davidow, J. Y.	Insel, C., & Somerville, L. H.
2008	N/A	Davies T.	Cranston P.
2020	<i>Body Image</i>	Davies, B.	Turner, M., Udell, J.
2023	<i>Body Image</i>	Davies, B.	Turner, M., Udell, J.

Bedtime social media use, sleep, and affective wellbeing in young adults: an experience sampling study

Adolescent development of value-guided goal pursuit

Youth Work and Social Networking Final Research Report.

Add a comment . . . how fitspiration and body positive captions attached to social media images influence the mood and body esteem of young female Instagram users

Are humorous or distractor images more effective than self-compassion messages for combatting the negative body image consequences of social media? An experimental test of possible micro-intervention stimuli

Das-Friebel, A., Lenneis, A., Realo, A., Sanborn, A., Tang, N. K. Y., Wolke, D., Mühlenen, A., & Lemola, S. (2020). Bedtime social media use, sleep, and affective wellbeing in young adults: an experience sampling study. *Journal of Child Psychology and Psychiatry* , 61 (10), 1138–1149. <https://doi.org/10.1111/jcpp.13326>

Davidow, J. Y., Insel, C., & Somerville, L. H. (2018). Adolescent development of value-guided goal pursuit. *Trends in Cognitive Sciences*, 22(8), 725-736.

Davies T, Cranston P. (2008) Youth Work and Social Networking Final Research Report.

Davies, B., Turner, M., & Udell, J. (2020). Add a comment ... how fitspiration and body positive captions attached to social media images influence the mood and body esteem of young female Instagram users. *Body Image* , 33 (33), 101–105. <https://doi.org/10.1016/j.bodyim.2020.02.009>

Davies, B., Turner, M., & Udell, J. (2023). Are humorous or distractor images more effective than self-compassion messages for combatting the negative body image consequences of social media? An experimental test of possible micro-intervention stimuli. *Body Image* , 46 , 356–371. <https://doi.org/10.1016/j.bodyim.2023.07.003>

2023	<i>Media Psychology</i>	Davies, B.	Turner, M., Udell, J.
2024	<i>PPM</i>	Davis, C.G.	Goldfield, G.S.
2025	<i>Psychology of Popular Media</i>	Davis, C. G.	Goldfield, G. S.
2025	<i>Psychology of Popular Media</i>	Davis, C.G.	Goldfield, G.S.
2016	<i>Learning, Media and Technology</i>	Davis, K.	Koepke, L.

The Importance of Social Cues When Browsing Appearance-Focused Social Media Content: A Think Aloud Protocol Analysis Using Fitspiration Images and Instagram Feed Browsing

Limiting Social Media Use Decreases Depression, Anxiety, and Fear of Missing Out in Youth With Emotional Distress: A Randomized Controlled Trial

Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial

Limiting social media use decreases depression anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial.

Risk and protective factors associated with cyberbullying: Are relationships or rules more protective?

Davies, B., Turner, M., & Udell, J. (2023). The Importance of Social Cues When Browsing Appearance-Focused Social Media Content: A Think Aloud Protocol Analysis Using Fitspiration Images and Instagram Feed Browsing. *Media Psychology*, 27 (3), 352–378. <https://doi.org/10.1080/15213269.2023.2242251>

Davis, C. G., & Goldfield, G. S. (2024). Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial. *Psychology of Popular Media*, 14 (1). <https://doi.org/10.1037/ppm0000536>

Davis, C. G., & Goldfield, G. S. (2025). Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial. *Psychology of Popular Media*, 14(1), 1–11. <https://doi.org/10.1037/ppm0000536>

Davis, C. G., & Goldfield, G. S. (2025). Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial. *Psychology of Popular Media*, 14(1), 1–11. <https://doi.org/10.1037/ppm0000536>

Davis, K., & Koepke, L. (2016). Risk and protective factors associated with cyberbullying: Are relationships or rules more protective? *Learning, Media and Technology*, 41 (4), 521–545. <https://doi.org/10.1080/17439884.2014.994219>



2023	<i>Social Cognitive Affective Neuroscience</i>	Davis, M.M†.	Modi, H.H†., Skymba, H.V†., Finnegan, M., Haiger, K., Telzer, E.H., & Rudolph, K.D.
(in press)	<i>Child Psychiatry &amp; Human Development</i>	Davis, M.M†.	Surabhi, D.M., Telzer, E.H., & Rudolph, K.D.
(in press)	<i>Child Psychiatry &amp; Human Development</i>	Davis, M.M†.	Surabhi, D.M., Telzer, E.H., & Rudolph, K.D.
2024	<i>Developmental Psychobiology</i>	Davis, M.M†.	Modi, H.H., Skymba, H.V., Haigler, K., Finnegan, M.K., Telzer, E.H., Rudolph, K. R.
2019	<i>Journal of Abnormal Child Psychology</i>	Davis, M†.	Miernicki, M†., Telzer, E.H., & Rudolph, K.D.

Thumbs up or thumbs down: Neural processing of social feedback and links to social motivation in adolescent girls
Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals
Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals
Neural sensitivity to peer feedback and depressive symptoms: Moderation by executive function
The contribution of childhood negative emotionality and cognitive control to anxiety-linked neural dysregulation of emotion in adolescence

Davis, M.M†., Modi, H.H†., Skymba, H.V†., Finnegan, M., Haiger, K., Telzer, E.H., & Rudolph, K.D. (2023). Thumbs up or thumbs down: Neural processing of social feedback and links to social motivation in adolescent girls. *Social Cognitive Affective Neuroscience* , 18, nsac055. <https://doi.org/10.1093/scan/nsac055>

Davis, M.M†., Surabhi, D.M., Telzer, E.H., & Rudolph, K.D. (in press). Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals. *Child Psychiatry & Human Development*. <https://doi.org/10.1007/s10578-023-01538-5>

Davis, M.M†., Surabhi, D.M., Telzer, E.H., & Rudolph, K.D. (in press). Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals. *Child Psychiatry & Human Development*. <https://doi.org/10.1007/s10578-023-01538-5>

Davis, M.M†., Modi, H.H., Skymba, H.V., Haigler, K., Finnegan, M.K., Telzer, E.H., Rudolph, K. R. (2024). Neural sensitivity to peer feedback and depressive symptoms: Moderation by executive function. *Developmental Psychobiology*, 66(6), e22515. <https://doi.org/10.1002/dev.22515>

Davis, M†., Miernicki, M†., Telzer, E.H., & Rudolph, K.D. (2019). The contribution of childhood negative emotionality and cognitive control to anxiety-linked neural dysregulation of emotion in adolescence. *Journal of Abnormal Child Psychology* , 47, 515-527. <https://doi.org/10.1007/s10802-018-0456-0>

2017	<i>Proceedings of the ... International AAAI Conference on Weblogs and Social Media. International AAAI Conference on Weblogs and</i>	De Choudhury, M.	Kıcıman, E.
2024	<i>Body Image</i>	De Coen, J.	Goossens, L., Bosmans, G., Debra, G., Verbeken, S.
2015	<i>Neuroscience</i>	de Flores, R.	La Joie, R. & Chételat, G.
2024	<i>BMC Psychology</i>	de Hesselle, L.	Montag, C.
2024	<i>BMC Psychology</i>	de Hesselle, L.	Montag, C.

The Language of Social Support in Social Media and its Effect on Suicidal Ideation Risk
Body dissatisfaction and disordered eating symptoms in children's daily life: Can parents protect against appearance comparison on social media?
Structural imaging of hippocampal subfields in healthy aging and Alzheimer's disease
Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study
Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study

De Choudhury, M., & Kıcıman, E. (2017). The Language of Social Support in Social Media and its Effect on Suicidal Ideation Risk. Proceedings of the ... International AAAI Conference on Weblogs and Social Media. International AAAI Conference on Weblogs and Social Media, 2017, 32–41.

De Coen, J., Goossens, L., Bosmans, G., Debra, G., & Verbeken, S. (2024). Body dissatisfaction and disordered eating symptoms in children's daily life: Can parents protect against appearance comparison on social media? *Body Image* , 48 , 101647.  
<https://doi.org/10.1016/j.bodyim.2023.101647>

de Flores, R., La Joie, R., & Chételat, G. (2015). Structural imaging of hippocampal subfields in healthy aging and Alzheimer's disease. *Neuroscience* , 309 , 29–50.  
<https://doi.org/10.1016/j.neuroscience.2015.08.033>

de Hessel, L., & Montag, C. (2024). Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study. *BMC Psychology* , 12 (1).  
<https://doi.org/10.1186/s40359-024-01611-1>

de Hessel, L., & Montag, C. (2024). Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study. *BMC Psychology* , 12 (1).  
<https://doi.org/10.1186/s40359-024-01611-1>

2023	<i>Body Image</i>	de Lenne, O.	Vandenbosch, L., Smits, T
2021	<i>Body Image</i>	de Valle, M.K.	Gallego-García, M., Williamson, P., Wade, T. D.
2016	<i>Journal of Youth and Adolescence</i>	de Vries, D.A.	Peter, J., de Graaf, H., Nik
2018	<i>Journal of Youth and Adolescence</i>	de Vries, D.A.	Vossen, H.G.M., van der Kolk - van der Boom, P.
2018	<i>Development and Psychopathology</i>	Deer, L.K.	Shields, G.S., Ivory, S.L†., Hostinar, C.E., & Telzer, E.H.

Experimental research on non-idealized models: A systematic literature review
Social media, body image, and the question of causation: Meta-analyses of experimental and longitudinal evidence
Adolescents' Social Network Site Use, Peer Appearance-Related Feedback, and Body Dissatisfaction: Testing a Mediation Model
Social Media and Body Dissatisfaction: Investigating the Attenuating Role of Positive Parent–Adolescent Relationships
Racial/ethnic disparities in cortisol diurnal patterns and affect in adolescence



de Lenne, O., Vandenbosch, L., Smits, T., & Eggermont, S. (2023). Experimental research on non-idealized models: A systematic literature review. *Body Image*, 47, 101640. <https://doi.org/10.1016/j.bodyim.2023.101640>

de Valle, M. K., Gallego-García, M., Williamson, P., & Wade, T. D. (2021). Social media, body image, and the question of causation: Meta-analyses of experimental and longitudinal evidence. *Body Image*, 39, 276–292. <https://doi.org/10.1016/j.bodyim.2021.10.001>

de Vries, D. A., Peter, J., de Graaf, H., & Nikken, P. (2016). Adolescents' Social Network Site Use, Peer Appearance-Related Feedback, and Body Dissatisfaction: Testing a Mediation Model. *Journal of Youth and Adolescence*, 45 (1), 211–224. <https://doi.org/10.1007/s10964-015-0266-4>

de Vries, D. A., Vossen, H. G. M., & van der Kolk – van der Boom, P. (2018). Social Media and Body Dissatisfaction: Investigating the Attenuating Role of Positive Parent–Adolescent Relationships. *Journal of Youth and Adolescence*, 48 (3), 527–536. <https://doi.org/10.1007/s10964-018-0956-9>

Deer, L.K., Shields, G.S., Ivory, S.L†., Hostinar, C.E., & Telzer, E.H. (2018). Racial/ethnic disparities in cortisol diurnal patterns and affect in adolescence. *Development and Psychopathology*, 30, 1977-1993. <https://doi.org/10.1017/S0954579418001098>. Special Issue on Cultural Development and Psychopathology.

2022	<i>Brain Sciences</i>	Dekkers, T. J.	van Hoorn, J.
2022	<i>Current Opinion in Psychology</i>	Dekkers, T. J.	de Water, E. & Scheres, A.
2025	<i>Canadian Journal of Behavioural Science / Revue Canadienne Des Sciences Du Comportement</i>	Demers, H.	White-Gosselin, C.-É., & Poulin, F.
2017	<i>Active Learning in Higher Education</i>	Demirbilek, M.	Talan, T.
2012	<i>NeuroImage</i>	den Heijer, T.	van der Lijn, F., Vernooij, M. W., de Groot, M., Koudstaal, P. J., der Lugt, A. van, Krestin, G. P., Hofman, A., Niessen, W. J., & Breteler, M. M. B.

Understanding Problematic Social Media Use in Adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD): A Narrative Review and Clinical Recommendations
Impulsive and risky decision-making in adolescents with attention-deficit/hyperactivity disorder (ADHD): The need for a developmental perspective
Relationship with parents in adolescence and social media addiction in adulthood: Longitudinal links and mediation analyses.
The effect of social media multitasking on classroom performance
Structural and diffusion MRI measures of the hippocampus and memory performance

Dekkers, T. J., & van Hoorn, J. (2022). Understanding Problematic Social Media Use in Adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD): A Narrative Review and Clinical Recommendations. *Brain Sciences* , 12(12), 1625.  
<https://doi.org/10.3390/brainsci12121625>

Dekkers, T. J., de Water, E., & Scheres, A. (2022). Impulsive and risky decision-making in adolescents with attention-deficit/hyperactivity disorder (ADHD): The need for a developmental perspective. *Current Opinion in Psychology* , 44 (44), 330–336.  
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Demers, H., White-Gosselin, C.-É., & Poulin, F. (2025). Relationship with parents in adolescence and social media addiction in adulthood: Longitudinal links and mediation analyses. *Canadian Journal of Behavioural Science / Revue Canadienne Des Sciences Du Comportement*, 57(2), 87–97. <https://doi.org/10.1037/cbs0000428>

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2021	<i>International Journal of Environmental Research and Public Health</i>	Deng, X.	Gao, Q., Hu, L., Zhang, L., Li, Y., & Bu, X.
2023	<i>Body Image</i>	Dent, E.	Martin, A.K.
2016	<i>Brain Structure &amp; Function</i>	Deoni, S. C. L.	O'Muircheartaigh, J., Elison, J. T., Walker, L., Doernberg, E., Waskiewicz, N., Dirks, H., Piryatinsky, I., Dean, D. C., & Jumbe, N. L.
2023	<i>New Media &amp; Society</i>	Devos, S.	Schreurs, L., Eggermont, S.
2022	<i>Addictive Behaviors</i>	Di Blasi, M.	Salerno, L., Albano, G., Caci, B., Esposito, G., Salcuni, S., Gelo, O. C. G., Mazzeschi, C., Merenda, A., Giordano, C., & Lo Coco, G.

Differences in Reward Sensitivity between High and Low Problematic Smartphone Use Adolescents: An ERP Study

Negative comments and social media: How cognitive biases relate to body image concerns

White matter maturation profiles through early childhood predict general cognitive ability

Go big or go home: Examining the longitudinal to successful portrayals on social media and adolescents' feelings of discrepancy

A three-wave panel study on longitudinal relations between problematic social media use and psychological distress during the COVID-19 pandemic

Deng, X., Gao, Q., Hu, L., Zhang, L., Li, Y., & Bu, X. (2021). Differences in Reward Sensitivity between High and Low Problematic Smartphone Use Adolescents: An ERP Study. *International Journal of Environmental Research and Public Health* , 18(18), 9603–9603. <https://doi.org/10.3390/ijerph18189603>

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2022	<i>Aesth Plastic Surgery</i>	Di Gesto, C.	Nerini, A., Policardo, G.R.
2023	<i>International Journal of Environmental Research and Public Health</i>	Di Michele, D.	Guizzo, F., Canale, N., Fasoli, F., Carotta, F., Pollini, A., & Cadinu, M.
2013	<i>Annual Review of Psychology</i>	Diamond, A.	N/A
2023	<i>Journal of Sleep Res</i>	Dibben, G.O.	Martin, A., Shore, C. B., Johnstone, A., McMellon, C., Palmer, V., Pugmire, J., Riddell, J., Skivington, K., Wells, V., McDaid, L., & Simpson, S. A.
2022	<i>Psychology of Popular Media</i>	Diefenbach, S.	Anders, L.



Predictors of Acceptance of Cosmetic Surgery: Instagram Images-Based Activities, Appearance Comparison and Body Dissatisfaction Among Women

#SexyBodyPositive: When Sexualization Does Not Undermine Young Women's Body Image

Executive functions

Adolescents' interactive electronic device use, sleep and mental health: a systematic review of prospective studies

The Psychology of Likes: Relevance of Feedback on Instagram and Relationship to Self-Esteem and Social Status

Di Gesto, C., Nerini, A., Policardo, G.R. *et al.* (2022). Predictors of Acceptance of Cosmetic Surgery: Instagram Images-Based Activities, Appearance Comparison and Body Dissatisfaction Among Women. *Aesth Plast Surg* ery, 46, 502–512. <https://doi.org/10.1007/s00266-021-02546-3>

Di Michele, D., Guizzo, F., Canale, N., Fasoli, F., Carotta, F., Pollini, A., & Cadinu, M. (2023). #SexyBodyPositive: When Sexualization Does Not Undermine Young Women’s Body Image. *International Journal of Environmental Research and Public Health* , 20 (2), 991. <https://doi.org/10.3390/ijerph20020991>

Diamond, A. (2013). Executive functions. *Annual Review of Psychology* , 64, 135–168. <https://doi.org/10.1146/annurev-psych-113011-143750>

Dibben, G. O., Martin, A., Shore, C. B., Johnstone, A., McMellon, C., Palmer, V., Pugmire, J., Riddell, J., Skivington, K., Wells, V., McDaid, L., & Simpson, S. A. (2023). Adolescents' interactive electronic device use, sleep and mental health: a systematic review of prospective studies. *Journal of sleep research* , 32 (5), e13899. <https://doi.org/10.1111/jsr.13899>

Diefenbach, S., & Anders, L. (2022). The psychology of likes: Relevance of feedback on Instagram and relationship to self-esteem and social status. *Psychology of Popular Media*, 11(2), 196–207. <https://doi.org/10.1037/ppm0000360>

2017	<i>Journal of Computer-Mediated Communication</i>	Dienlin, T.	Masur, P.K., & Trepte, S.
2022	<i>Scientific Reports</i>	Dissing, A.S.	Andersen, T. O., Jensen, A. K., Lund, R., & Rod, N. H.
2022	<i>Scientific Reports</i>	Do, K.D <sup>†</sup> .	McCormick, E.M <sup>†</sup> ., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2024	<i>Journal of Cognitive Neuroscience</i>	Do, K.D <sup>†</sup> .	Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2019	<i>Developmental Cognitive Neuroscience</i>	Do, K.T <sup>†</sup> .	Telzer, E.H.

Reinforcement or Displacement? The Reciprocity of FtF, IM, and SNS Communication and Their Effects on Loneliness and Life Satisfaction

Nighttime smartphone use and changes in mental health and wellbeing among young adults: a longitudinal study based on high-resolution tracking data

Intrinsic connectivity within the affective salience network moderates adolescent susceptibility to negative and positive peer norms

Neural tracking of perceived parent, but not peer, norms is associated with longitudinal changes in adolescent attitudes about externalizing behaviors

Corticostriatal connectivity is associated with the reduction of intergroup bias and greater impartial giving in youth

Dienlin, T., Masur, P. K., & Trepte, S. (2017). Reinforcement or Displacement? The Reciprocity of FtF, IM, and SNS Communication and Their Effects on Loneliness and Life Satisfaction. *Journal of Computer-Mediated Communication* , 22 (2), 71–87.  
<https://doi.org/10.1111/jcc4.12183>

Dissing, A. S., Andersen, T. O., Jensen, A. K., Lund, R., & Rod, N. H. (2022). Nighttime smartphone use and changes in mental health and wellbeing among young adults: a longitudinal study based on high-resolution tracking data. *Scientific Reports* , 12 (1), 1–9.  
<https://doi.org/10.1038/s41598-022-10116-z>

Do, K.D†., McCormick, E.M†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2022). Intrinsic connectivity within the affective salience network moderates adolescent susceptibility to negative and positive peer norms. *Scientific Reports*, 12, 17463.  
<https://doi.org/10.1038/s41598-022-17780-1>

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[https://doi.org/10.1162/jocn\\_a\\_02152](https://doi.org/10.1162/jocn_a_02152)

Do, K.T†. & Telzer, E.H. (2019). Corticostriatal connectivity is associated with the reduction of intergroup bias and greater impartial giving in youth. *Developmental Cognitive Neuroscience* , 37, 100628. <https://doi.org/10.1016/j.dcn.2019.100628>

2019	<i>Social Cognitive Affective Neuroscience</i>	Do, K.T <sup>†</sup> .	McCormick, E.M <sup>†</sup> ., & Telzer, E.H.
2024	<i>Oxford University Press</i>	Do, K.T <sup>†</sup> .	Prinstein, M.J. & Telzer, E.H.
2017	<i>Developmental Cognitive Neuroscience</i>	Do, K.T <sup>†</sup> +	Guassi Moreira, J <sup>†</sup> +. & Telzer, E.H.
2024	<i>Developmental Psychology</i>	Do, K.D <sup>†</sup> .	Telzer, E.H.
2020	<i>Developmental Cognitive Neuroscience</i>	Do, K.D <sup>†</sup> .	McCormick, E.M <sup>†</sup> ., & Telzer, E.H.

The neural development of prosocial behavior from childhood to adolescence

Neurobiological susceptibility to peer influence in adolescence. In K.C. Kadosh (Ed). Oxford Handbook of Developmental Cognitive Neuroscience

But is helping you worth the risk?: Defining Prosocial Risk Taking in adolescence

Longitudinal changes in the value and influence of parent and peer attitudes about externalizing behaviors across adolescence

Neural sensitivity to conflicting attitudes supports greater conformity toward positive over negative influence in early adolescence

Do, K.T†., McCormick, E.M†., & Telzer, E.H. (2019). The neural development of prosocial behavior from childhood to adolescence. *Social Cognitive Affective Neuroscience* , 14, 129-139. <https://doi.org/10.1093/scan/nsy117>

Do, K.T†., Prinstein, M.J., & Telzer, E.H. (2024). Neurobiological susceptibility to peer influence in adolescence. In K.C. Kadosh (Ed). *Oxford Handbook of Developmental Cognitive Neuroscience*. Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780198827474.001.0001>

Do, K.T†+., Guassi Moreira, J†+. & Telzer, E.H. (2017). But is helping you worth the risk?: Defining Prosocial Risk Taking in adolescence. *Developmental Cognitive Neuroscience* , 25, 260-271. Special Issue on Sensitive Periods Across Development  
<https://doi.org/10.1016/j.dcn.2016.11.008> +denotes equal author contribution

Do, K.D†. & Telzer, E.H. (2024) Longitudinal changes in the value and influence of parent and peer attitudes about externalizing behaviors across adolescence. *Developmental Psychology*, 60(8), 1500–1510. <https://doi.org/10.1037/dev0001715> [preregistration]

Do, K.D†., McCormick, E.M†., & Telzer, E.H. (2020). Neural sensitivity to conflicting attitudes supports greater conformity toward positive over negative influence in early adolescence. *Developmental Cognitive Neuroscience* , 45, 100837.  
<https://doi.org/10.1016/j.dcn.2020.100837>



2020	<i>Current Directions in Psychological Science</i>	Do. K.T†.	Sharp, P.B†. & Telzer, E.H.
2013	<i>Computers in Human Behavior</i>	Dolev-Cohen	Barak
2024	<i>Current opinion in genetics &amp; development</i>	Doll, H. M.	Risgaard, R. D., Thurston, H., Chen, R. J., & Sousa, A. M.
2021	<i>Human Behavior and Emerging Technologies</i>	Dontre, A. J.	N/A
2021	<i>See Change Institute</i>	Dooley, L.	et al.,

Modernizing conceptions of valuation and cognitive control deployment in adolescent risk taking

Adolescents' use of Instant Messaging as a means of emotional relief

Evolutionary innovations in the primate dopaminergic system.

The influence of technology on academic distraction: A review.

Climate Change & Youth Mental Health: Psychological Impacts, Resilience Resources, & Future Directions

Do. K.T†., Sharp, P.B†., & Telzer, E.H. (2020). Modernizing conceptions of valuation and cognitive control deployment in adolescent risk taking. *Current Directions in Psychological Science* , 29, 102-109. <https://doi.org/10.1177/0963721419887361>

Dolev-Cohen, M., & Barak, A. (2013). Adolescents' use of Instant Messaging as a means of emotional relief. *Computers in Human Behavior* , 29 (1), 58–63. <https://doi.org/10.1016/j.chb.2012.07.016>

Doll, H. M., Risgaard, R. D., Thurston, H., Chen, R. J., & Sousa, A. M. (2024). Evolutionary innovations in the primate dopaminergic system. *Current opinion in genetics & development*, 88, 102236. <https://doi.org/10.1016/j.gde.2024.102236>

Dontre, A. J. (2021). The influence of technology on academic distraction: A review. *Human Behavior and Emerging Technologies* , 3(3), 379–390. <https://doi.org/10.1002/hbe2.229>

Dooley, L., et al., (2021) *Climate Change & Youth Mental Health: Psychological Impacts, Resilience Resources, & Future Directions*. Los Angeles, CA: See Change Institute.

2006	<i>Applied Developmental Science</i>	Dorn, L. D.	Dahl, R. E., Woodward, H. R. & Biro, F.
2007	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Dosenbach, N. U. F.	Fair, D. A., Miezin, F. M., Cohen, A. L., Wenger, K. K., Dosenbach, R. A. T., Fox, M. D., Snyder, A. Z., Vincent, J. L., Raichle, M. E., Schlaggar, B. L., &
2010	<i>Science</i>	Dosenbach, N. U. F.	Nardos, B., Cohen, A. L., Fair, D. A., Power, J. D., Church, J. A., Nelson, S. M., Wig, G. S., Vogel, A. C., Lessov-Schlaggar, C. N., Barnes, K. A., Dubis, J. W., Feczko, E., Coalson, R. S., Pruett, J.
2015	<i>World Neurosurgery</i>	Dossani, R. H.	Missios, S. & Nanda, A.
2004	<i>Developmental psychobiology</i>	Douglas, L. A.	Varlinskaya, E. I., & Spear, L. P.

Defining the boundaries of early adolescence:  
A user's guide to assessing pubertal status  
and pubertal timing in research with  
adolescents

Distinct brain networks for adaptive and  
stable task control in humans

Prediction of individual brain maturity using  
fMRI

The Legacy of Henry Molaison (1926-2008)  
and the Impact of His Bilateral Mesial  
Temporal Lobe Surgery on the Study of  
Human Memory

Rewarding properties of social interactions in  
adolescent and adult male and female rats:  
impact of social versus isolate housing of  
subjects and partners

Dorn, L. D., Dahl, R. E., Woodward, H. R. & Biro, F. (2006) Defining the boundaries of early adolescence: A user's guide to assessing pubertal status and pubertal timing in research with adolescents. *Applied Developmental Science*, 10(1), 30–56.

Dosenbach, N. U. F., Fair, D. A., Miezin, F. M., Cohen, A. L., Wenger, K. K., Dosenbach, R. A. T., Fox, M. D., Snyder, A. Z., Vincent, J. L., Raichle, M. E., Schlaggar, B. L., & Petersen, S. E. (2007). Distinct brain networks for adaptive and stable task control in humans. *Proceedings of the National Academy of Sciences of the United States of America*, 104(26), 11073–11078. <https://doi.org/10.1073/pnas.0704320104>

Dosenbach, N. U. F., Nardos, B., Cohen, A. L., Fair, D. A., Power, J. D., Church, J. A., Nelson, S. M., Wig, G. S., Vogel, A. C., Lessov-Schlaggar, C. N., Barnes, K. A., Dubis, J. W., Feczko, E., Coalson, R. S., Pruett, J. R., Barch, D. M., Petersen, S. E., & Schlaggar, B. L. (2010). Prediction of individual brain maturity using fMRI. *Science*, 329(5997), 1358–1361. <https://doi.org/10.1126/science.1194144>

Dossani, R. H., Missios, S., & Nanda, A. (2015). The Legacy of Henry Molaison (1926-2008) and the Impact of His Bilateral Mesial Temporal Lobe Surgery on the Study of Human Memory. *World Neurosurgery*, 84(4), 1127–1135. <https://doi.org/10.1016/j.wneu.2015.04.031>

Douglas, L. A., Varlinskaya, E. I., & Spear, L. P. (2004). Rewarding properties of social interactions in adolescent and adult male and female rats: impact of social versus isolate housing of subjects and partners. *Developmental psychobiology*, 45(3), 153–162. <https://doi.org/10.1002/dev.20025>

2009	<i>Proceedings of the National Academy of Sciences</i>	Dreher, J.-C.	Kohn, P., Kolachana, B., Weinberger, D. R., & Berman, K. F.
2024	<i>Journal of Technology in Behavioral Science</i>	Dreier	Low, Fedor, Durica, & Hamilton
2012	<i>Science Direct</i>	Drouin, M.	Kaise, D; Miller, D
2018	<i>Computers in Human Behavior</i>	Du, J.	van Koningsbruggen, G. M., & Kerkhof, P.
2018	<i>Journal of youth and adolescence</i>	Duell, N.	Steinberg, L., Icenogle, G., Chein, J., Chaudhary, N., Di Giunta, L., Dodge, K.A., Fanti, K.A., Lansford, J.E., Oburu, P., Pastorelli, C., Skinner, A.T., Sorbring, E., Tapanya, S., Uribe Tirado, L.M., Peña

Variation in dopamine genes influences  
responsivity of the human reward system.

Adolescents' Self-Regulation of Social  
Media Use During the Beginning of the  
COVID-19 Pandemic: An Idiographic  
Approach

Phantom vibrations among undergraduates:  
Prevalence and associated psychological  
characteristics

A brief measure of social media self-control  
failure

Age patterns in risk taking across the world



Dreher, J.-C., Kohn, P., Kolachana, B., Weinberger, D. R., & Berman, K. F. (2009). Variation in dopamine genes influences responsivity of the human reward system. *Proceedings of the National Academy of Sciences* , 106(2), 617–622. <https://doi.org/10.1073/pnas.0805517106>

Dreier, M. J., Low, C. A., Fedor, J., Durica, K. C., & Hamilton, J. L. (2024). Adolescents' Self-Regulation of Social Media Use During the Beginning of the COVID-19 Pandemic: An Idiographic Approach. *Journal of Technology in Behavioral Science* .  
<https://doi.org/10.1007/s41347-024-00465-z>

Drouin, M., Kaiser, D. H., & Miller, D. A. (2012). Phantom vibrations among undergraduates: Prevalence and associated psychological characteristics. *Computers in Human Behavior* , 28 (4), 1490–1496. <https://doi.org/10.1016/j.chb.2012.03.013>

Du, J., van Koningsbruggen, G. M., & Kerkhof, P. (2018). A brief measure of social media self-control failure. *Computers in Human Behavior* , 84, 68–75.  
<https://doi.org/10.1016/j.chb.2018.02.002>

Duell, N., Steinberg, L., Icenogle, G., Chein, J., Chaudhary, N., Di Giunta, L., Dodge, K.A., Fanti, K.A., Lansford, J.E., Oburu, P., Pastorelli, C., Skinner, A.T., Sorbring, E., Tapanya, S., Uribe Tirado, L.M., Peña Alampay, L., Al-Hassan, S.M., Takash, H.M.S., Bacchini, D., & Chang, L. (2018). Age patterns in risk taking across the world. *Journal of youth and adolescence*, 47, 1052-1072.

2022	<i>International Journal of Behavioral Development</i>	Duell, N†.	Clayton, M.G., Telzer, E.H., & Prinstein, M.J.
2022	<i>Developmental Cognitive Neuroscience</i>	Duell, N†.	Kwon, S†., Do, K.D†., Turpyn, C.C†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Social Cognitive and Affective Neuroscience</i>	Duell, N†.	Perino, M.T†., McCormick, E.M†., & Telzer, E.H.
2021	<i>Developmental Cognitive Neuroscience</i>	Duell, N†.	van Hoorn, J†., McCormick, E.M†., Prinstein, M.J., & Telzer, E.H.
2020	<i>Computers in Human Behavior</i>	Dumas, T. M.	Maxwell-Smith, M. A., Tremblay, P. F., Litt, D. M., & Ellis, W.

Measuring peer influence susceptibility to alcohol use: Preliminary evidence for convergent and predictive validity of a new analogue assessment

Positive risk taking and neural sensitivity to risky decision making in adolescence

Differential processing of risk and reward in delinquent and non-delinquent youth

Hormonal and neural correlates of prosocial conformity in adolescents

Gaining likes, but at what cost? Longitudinal relations between young adults' deceptive like-seeking on instagram, peer belonging and self-esteem

Duell, N†., Clayton, M.G., Telzer, E.H., & Prinstein, M.J. (2022). Measuring peer influence susceptibility to alcohol use: Preliminary evidence for convergent and predictive validity of a new analogue assessment. *International Journal of Behavioral Development* , 46(3), 190–199. <https://doi.org/10.1177/0165025420965729>

Duell, N†., Kwon, S†., Do, K.D†., Turpyn, C.C†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2022). Positive risk taking and neural sensitivity to risky decision making in adolescence. *Developmental Cognitive Neuroscience*, 57, 101142. <https://doi.org/10.1016/j.dcn.2022.101142>

Duell, N†., Perino, M.T†., McCormick, E.M†., & Telzer, E.H. (2023). Differential processing of risk and reward in delinquent and non-delinquent youth. *Social Cognitive and Affective Neuroscience*, 18, nsad040. <https://doi.org/10.1093/scan/nsad040>

Duell, N†., van Hoorn, J†., McCormick, E.M†., Prinstein, M.J., & Telzer, E.H. (2021). Hormonal and neural correlates of prosocial conformity in adolescents. *Developmental Cognitive Neuroscience* , 48, 100936. <https://doi.org/10.1016/j.dcn.2021.100936>

Dumas, T. M., Maxwell-Smith, M. A., Tremblay, P. F., Litt, D. M., & Ellis, W. (2020). Gaining likes, but at what cost? Longitudinal relations between young adults' deceptive like-seeking on instagram, peer belonging and self-esteem. *Computers in Human Behavior* , 112, 106467. <https://doi.org/10.1016/j.chb.2020.106467>

2020	<i>Computers in Human Behavior</i>	Dumas	Maxwell-Smith, Tremblay, Litt, Ellis
2017	<i>Computers in Human Behavior</i>	Dumas	Maxwell-Smith, Davis, Giulietti
2022	<i>Computers in Human Behavior</i>	Dumas	Tremblay, Ellis, Millett, Maxwell-Smith
2020	<i>The Journal of Social Media in Society.</i>	Dunn T.	Langlais M.
2020	<i>Health Promotion Perspectives</i>	Duran-Becerra, B.	et. al.

Gaining likes, but at what cost? Longitudinal relations between young adults' deceptive like-seeking on instagram, peer belonging and self-esteem

Lying or longing for likes? Narcissism, peer belonging, loneliness and normative versus deceptive like-seeking on Instagram in emerging adulthood

Does pressure to gain social media attention have consequences for adolescents' friendship closeness and mental health? A longitudinal examination of within-person cross-lagged relations

"Oh, Snap!": A Mixed-Methods Approach to Analyzing the Dark Side of Snapchat.

Climate change on YouTube: A potential platform for youth learning.

Dumas, T. M., Maxwell-Smith, M. A., Tremblay, P. F., Litt, D. M., & Ellis, W. (2020). Gaining likes, but at what cost? Longitudinal relations between young adults' deceptive like-seeking on instagram, peer belonging and self-esteem. *Computers in Human Behavior*, 112, 106467. <https://doi.org/10.1016/j.chb.2020.106467>

Dumas, T. M., Maxwell-Smith, M., Davis, J. P., & Giulietti, P. A. (2017). Lying or longing for likes? Narcissism, peer belonging, loneliness and normative versus deceptive like-seeking on Instagram in emerging adulthood. *Computers in Human Behavior*, 71, 1–10. <https://doi.org/10.1016/j.chb.2017.01.037>

Dumas, T. M., Tremblay, P. F., Ellis, W., Millett, G., & Maxwell-Smith, M. A. (2022). Does pressure to gain social media attention have consequences for adolescents' friendship closeness and mental health? A longitudinal examination of within-person cross-lagged relations. *Computers in Human Behavior*, 140, 107591. <https://doi.org/10.1016/j.chb.2022.107591>

Dunn, T. R., & Langlais, M. R. (2020). "Oh, Snap!": A Mixed-Methods Approach to Analyzing the Dark Side of Snapchat. *The Journal of Social Media in Society*, 9 (2), 69–104. <https://thejsms.org/index.php/JSMS/article/view/633>

Duran-Becerra, B., et. al. (2020). Climate change on YouTube: A potential platform for youth learning. *Health Promot Perspect*, 10(3), 282-286. <https://doi: 10.34172/hpp.2020.42>

2024	<i>Journal of Adolescence</i>	Dyer	Coyne, Gale, & Sheppard
1999	<i>The Future of children</i>	Eccles J. S.	N/A
2022	<i>Developmental Cognitive Neuroscience</i>	Eckstein, M. K.	Master, S. L., Dahl, R. E., Wilbrecht, L., & Collins, A. G.
2011	<i>International Journal of Methods in Psychiatric Research</i>	Egger, H. L.	Pine, D. S., Nelson, E., Leibenluft, E., Ernst, M., Towbin, K. E., & Angold, A.
2020	<i>Journal of Research on Adolescence</i>	Ehrenreich, S. E.	Beron, K. J., Burnell, K., Meter, D. J., & Underwood, M. K.



Who's most at risk? A person-centered approach to understanding the long-term relationship between early social media use and later depression across adolescence

The development of children ages 6 to 14

Reinforcement learning and Bayesian inference provide complementary models for the unique advantage of adolescents in stochastic reversal

The NIMH Child Emotional Faces Picture Set (NIMH-ChEFS): A new set of children's facial emotion stimuli.

How adolescents use text messaging through the day and through their high school years

Dyer, W.J., Coyne, S. M., Gale, M., & Sheppard, J.A. (2024). Who's most at risk? A person-centered approach to understanding the long-term relationship between early social media use and later depression across adolescence. *Journal of Adolescence* .  
<https://doi.org/10.1002/jad.12362>

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Eckstein, M. K., Master, S. L., Dahl, R. E., Wilbrecht, L., & Collins, A. G. (2022). Reinforcement learning and Bayesian inference provide complementary models for the unique advantage of adolescents in stochastic reversal. *Developmental Cognitive Neuroscience*, 55, 101106.

Egger, H. L., Pine, D. S., Nelson, E., Leibenluft, E., Ernst, M., Towbin, K. E., & Angold, A. (2011). The NIMH Child Emotional Faces Picture Set (NIMH-ChEFS): A new set of children's facial emotion stimuli. *International Journal of Methods in Psychiatric Research*, 20(3), 145–156. <https://doi.org/10.1002/mpr.343>

Ehrenreich, S. E., Beron, K. J., Burnell, K., Meter, D. J., & Underwood, M. K. (2020). How adolescents use text messaging through the day and through their high school years. *Journal of Research on Adolescence* , 30, 521-540.

2021	<i>Journal of Research on Adolescence</i>	Ehrenreich, S. E.	George, M. J., Burnell, K., & Underwood, M. K.
2011	<i>American Psychological Association</i>	Eisenberger, N. I.	N/A
1967	<i>Child Development</i>	Elkind, D.	N/A
2024	<i>Media Psychology</i>	Ellithorpe	Eden, Ulusoy, Wirz, Grady
2020	<i>Body Image</i>	Engeln	Loach, Imundo, Zola

Importance of digital communication in adolescents' development: Theoretical and empirical advancements in the last decade

The neural basis of social pain: Findings and implications. In G. MacDonald & L. A. Jensen-Campbell (Eds.), Social pain: Neuropsychological and health implications of loss and exclusion. (pp. 53–78)

Egocentrism in Adolescence

Is Bedtime Media Use Good or Bad? A Competitive Analysis Between the Sleep Displacement Hypothesis and the Media Recovery Hypothesis

Compared to Facebook, Instagram use causes more appearancecomparison and lower body satisfaction in college women

Ehrenreich, S. E., George, M. J., Burnell, K., & Underwood, M. K. (2021). Importance of digital communication in adolescents' development: Theoretical and empirical advancements in the last decade. *Journal of Research on Adolescence* , 31, 928-943.

Eisenberger, N. I. (2011). The neural basis of social pain: Findings and implications. In G. MacDonald & L. A. Jensen-Campbell (Eds.), *Social pain: Neuropsychological and health implications of loss and exclusion*. (pp. 53–78). *American Psychological Association* .  
<https://doi.org/10.1037/12351-002>

Elkind, D. (1967). Egocentrism in Adolescence. *Child Development* , 38(4), 1025.  
<https://doi.org/10.2307/1127100>

Ellithorpe, M. E., Eden, A., Ulusoy, E., Wirz, D., & Grady, S. (2024). Is Bedtime Media Use Good or Bad? A Competitive Analysis Between the Sleep Displacement Hypothesis and the Media Recovery Hypothesis. *Media Psychology* , 1–32.  
<https://doi.org/10.1080/15213269.2024.2400571>

Engeln, R., Loach, R., Imundo, M. N., & Zola, A. (2020). Compared to facebook, instagram use causes more appearance comparison and lower body satisfaction in college women. *Body Image* , 34 , 38–45. <https://doi.org/10.1016/j.bodyim.2020.04.007>

2022	<i>Proceedings of the 2022 Conference on Human Factors in Computing Systems</i>	Ernala	██████████ & Ellison
2022	<i>Personality and Individual Differences</i>	Etherson	Curran, Smith, Sherry, Hill
1982	<i>Psychopharmacology</i>	Ettenberg, A.	Pettit, H. O., Bloom, F. E., & Koob, G. F.
2021	<i>Body Image</i>	Evens	Stutterheim, Alleva
2020	<i>Addictive Behaviors</i>	Fabris	Marengo, Longobardi, Sttanni

Mindsets Matter: How Beliefs About Facebook Moderate the Association Between Time Spent and Well-Being

Perfectionism as a vulnerability following appearance-focussed social comparison: A multi-wave study with female adolescents

Heroin and cocaine intravenous self-administration in rats: mediation by separate neural systems

Protective filtering: A qualitative study on the cognitive strategies young women use to promote positive body image in the face of beauty-ideal imagery on Instagram

Investigating the links between fear of missing out, social media addiction, and emotional symptoms in adolescence: The role of stress associated with neglect and negative reactions on social media.

Ernala, S. K., [REDACTED] & Ellison, N. B. (2022). Mindsets Matter: How Beliefs About Facebook Moderate the Association Between Time Spent and Well-Being. *CHI Conference on Human Factors in Computing Systems*.  
<https://doi.org/10.1145/3491102.3517569>

Etherson, M. E., Curran, T., Smith, M. M., Sherry, S. B., & Hill, A. P. (2022). Perfectionism as a vulnerability following appearance-focussed social comparison: A multi-wave study with female adolescents. *Personality and Individual Differences*, 186, 111355.  
<https://doi.org/10.1016/j.paid.2021.111355>

Ettenberg, A., Pettit, H. O., Bloom, F. E., & Koob, G. F. (1982). Heroin and cocaine intravenous self-administration in rats: mediation by separate neural systems. *Psychopharmacology*, 78(3), 204–209. <https://doi.org/10.1007/BF00428151>

Evens, O., Stutterheim, S. E., & Alleva, J. M. (2021). Protective filtering: A qualitative study on the cognitive strategies young women use to promote positive body image in the face of beauty-ideal imagery on Instagram. *Body Image*, 39, 40–52.  
<https://doi.org/10.1016/j.bodyim.2021.06.002>

Fabris, M. A., Marengo, D., Longobardi, C., & Settanni, M. (2020). Investigating the Links between Fear of Missing Out, Social Media Addiction, and Emotional Symptoms in Adolescence: The Role of Stress Associated with Neglect and Negative Reactions on Social Media. *Addictive Behaviors*, 106 (106364), 106364.  
<https://doi.org/10.1016/j.addbeh.2020.106364>



2003	<i>Annals of the New York Academy of Sciences</i>	Fagen, Z. M.	Mansvelder, H. D., Keath, J. R., & McGehee, D. S.
2018	<i>New Media &amp; Society</i>	Fardouly	Holland
2019	<i>Body Image</i>	Fardouly	Rapee
2015	<i>Body Image</i>	Fardouly, J.	Vartanian, L. R.
2015	<i>Body Image</i>	Fardouly	Vartanian

Short- and long-term modulation of synaptic inputs to brain reward areas by nicotine

Social media is not real life: The effect of attaching disclaimer-type labels to idealized social media images on women's body image and mood

The impact of no-makeup selfies on young women's body image

Negative comparisons about one's appearance mediate the relationship between Facebook usage and body image concerns

Negative comparisons about one's appearance mediate the relationship between Facebook usage and body image concerns

Fagen, Z. M., Mansvelder, H. D., Keath, J. R., & McGehee, D. S. (2003). Short- and long-term modulation of synaptic inputs to brain reward areas by nicotine. *Annals of the New York Academy of Sciences*, 1003, 185–195. <https://doi.org/10.1196/annals.1300.011>

Fardouly, J., & Holland, E. (2018). Social media is not real life: The effect of attaching disclaimer-type labels to idealized social media images on women's body image and mood. *New Media & Society*, 20(11), 4311-4328. <https://doi.org/10.1177/1461444818771083>

Fardouly, J., & Rapee, R. M. (2019). The Impact of no-makeup Selfies on Young Women's Body Image. *Body Image*, 28, 128–134. <https://doi.org/10.1016/j.bodyim.2019.01.006>

Fardouly, J., & Vartanian, L. R. (2015). Negative comparisons about one's appearance mediate the relationship between Facebook usage and body image concerns. *Body Image*, 12, 82–88. <https://doi.org/10.1016/j.bodyim.2014.10.004>

Fardouly, J., & Vartanian, L. R. (2015). Negative Comparisons about one's appearance Mediate the relationship between Facebook Usage and body Image concerns. *Body Image*, 12 (1), 82–88. <https://doi.org/10.1016/j.bodyim.2014.10.004>

2024	<i>Body Image</i>	Fardouly	Levin, Vartanian, Rapee
2018	<i>Journal of Youth and Adolescence</i>	Fardouly	Magson, Johnco, Oar, Rapee
2020	<i>Journal of Clinical Psychology</i>	Fardouly	Magson, Rapee, Johnco, Oar
2017	<i>Body Image</i>	Fardouly, J.	Pinkus, R. T., & Vartanian, L. R.
2017	<i>Body Image</i>	Fardouly	Pinkus, Vartanian

Isolating the effects of body size and sexualisation in social media images on body image-related constructs among young women

Parental Control of the Time Preadolescents Spend on Social Media: Links with Preadolescents' Social Media Appearance Comparisons and Mental Health

The use of social media by Australian preadolescents and its links with mental health

The impact of appearance comparisons made through social media, traditional media, and in person in women's everyday lives

The impact of appearance comparisons made through social media, traditional media, and in person in women's everyday lives

Fardouly, J., Levin, T., Vartanian, L. R., & Rapee, R. M. (2024). Isolating the effects of body size and sexualisation in social media images on body image-related constructs among young women. *Body Image* , 51 , 101800–101800. <https://doi.org/10.1016/j.bodyim.2024.101800>

Fardouly, J., Magson, N. R., Johnco, C. J., Oar, E. L., & Rapee, R. M. (2018). Parental Control of the Time Preadolescents Spend on Social Media: Links with Preadolescents' Social Media Appearance Comparisons and Mental Health. *Journal of Youth and Adolescence* , 47 (7), 1456–1468. <https://doi.org/10.1007/s10964-018-0870-1>

Fardouly, J., Magson, N. R., Rapee, R. M., Johnco, C. J., & Oar, E. L. (2020). The use of social media by Australian preadolescents and its links with mental health. *Journal of Clinical Psychology* , 76 (7), 1304–1326. <https://doi.org/10.1002/jclp.22936>

Fardouly, J., Pinkus, R. T., & Vartanian, L. R. (2017). The impact of appearance comparisons made through social media, traditional media, and in person in women's everyday lives. *Body Image* , 20, 31–39. <https://doi.org/10.1016/j.bodyim.2016.11.002>

Fardouly, J., Pinkus, R. T., & Vartanian, L. R. (2017). The impact of appearance comparisons made through social media, traditional media, and in person in women's everyday lives. *Body image* , 20 , 31–39. <https://doi.org/10.1016/j.bodyim.2016.11.002>

2023	<i>Body Image</i>	Fardouly	Slater, Parnell, Diedrichs
2017	<i>New Media &amp; Society</i>	Fardouly	Willburger, Vartanian
2021	<i>Journal of Online Trust and Safety.</i>	Farid H.	N/A
2018	<i>Technology and Innovation.</i>	Farid H.	N/A
2025	<i>Nature Human Behaviour</i>	Fassi, L.	Ferguson, A. M., Przybylski, A. K., Ford, T. J., Orben, A.

Can following body positive or appearance neutral Facebook pages improve young women's body image and mood? Testing novel social media micro-interventions

Instagram use and young women's body image concerns and self-objectification: Testing mediational pathways

An Overview of Perceptual Hashing

Reining in Online Abuses

Social media use in adolescents with and without mental health conditions



Fardouly, J., Slater, A., Parnell, J., & Diedrichs, P. C. (2023). Can following body positive or appearance neutral Facebook pages improve young women's body image and mood? Testing novel social media micro-interventions. *Body Image* , 44 , 136–147.  
<https://doi.org/10.1016/j.bodyim.2022.12.008>

Fardouly, J., Willburger, B. K., & Vartanian, L. R. (2017). Instagram use and young women's body image concerns and self-objectification: Testing mediational pathways. *New Media & Society*, 20(4), 1380-1395. <https://doi.org/10.1177/1461444817694499>

Farid H. (2021). An Overview of Perceptual Hashing. *Journal of Online Trust and Safety*, 1(1).

Farid, H. (2018). Reining in Online Abuses. *Technology & Innovation* , 19 (3), 593–599.  
<https://doi.org/10.21300/19.3.2018.593>

Fassi, L., Ferguson, A. M., Przybylski, A. K., Ford, T. J., & Orben, A. (2025). Social media use in adolescents with and without mental health conditions. *Nature Human Behaviour* .  
<https://doi.org/10.1038/s41562-025-02134-4>

2024	<i>JAMA Pediatrics</i>	Fassi	Thomas, K., Parry, D. A., Leyland-Craggs, A., Ford, T. J., & Orben, A.
2023	<i>Body Image</i>	Fatt, S. J.	Fardouly, J.
2023	<i>Body Image</i>	Fatt	Fardouly
2019	<i>New Media &amp; Society</i>	Fatt	Fardouly, Rapee
2023	<i>Technology, Mind, and Behavior</i>	Faulhaber, M. E.	Lee, J. E., & Gentile, D. A.

Social Media Use and Internalizing Symptoms in Clinical and Community Adolescent Samples A Systematic Review and Meta-Analysis

Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents' body image concerns

Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents' body image concerns

#malefitspo: Links between viewing fitspiration posts, muscular-ideal internalisation, appearance comparisons, body satisfaction, and exercise motivation in men

The Effect of Self-Monitoring Limited Social Media Use on Psychological Well-Being

Fassi, L., Thomas, K., Parry, D. A., Leyland-Craggs, A., Ford, T. J., & Orben, A. (2024). Social Media Use and Internalizing Symptoms in Clinical and Community Adolescent Samples: A Systematic Review and Meta-Analysis. *JAMA pediatrics* , 178 (8), 814–822. <https://doi.org/10.1001/jamapediatrics.2024.2078>

Fatt, S. J., & Fardouly, J. (2023). Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents' body image concerns. *Body Image* , 47, 101621. <https://doi.org/10.1016/j.bodyim.2023.101621>

Fatt, S. J., & Fardouly, J. (2023). Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents' body image concerns. *Body Image* , 47 , 101621. <https://doi.org/10.1016/j.bodyim.2023.101621>

Fatt, S. J., Fardouly, J., & Rapee, R. M. (2019). #malefitspo: Links between viewing fitspiration posts, muscular-ideal internalisation, appearance comparisons, body satisfaction, and exercise motivation in men. *New Media & Society*, 21(6), 1311-1325. <https://doi.org/10.1177/1461444818821064>

Faulhaber, M. E., Lee, J. E., & Gentile, D. A. (2023). The Effect of Self-Monitoring Limited Social Media Use on Psychological Well-Being. *Technology, Mind, and Behavior* , 4 (2). <https://doi.org/10.1037/tmb0000111>

2024	<i>Pew Research Center</i>	Faverio, M.	Faverio, M., Sidoti, O.
2000	<i>Journal of Economic Perspectives.</i>	Fehr E.	Gächter S.
(in press)	<i>Social Cognitive and Affective Neuroscience</i>	Feldman, M.J†*.	Capella, J†*., Bonar, A.S†., Dai, J†., Field, N†., Lewis, K., Prinstein, M., Telzer, E.H., Lindquist, K.A.
2018	<i>Computers &amp; Education</i>	Felisoni, D. D.	Godoi, A. S.
2018	<i>Sex Roles</i>	Feltman	Szymanski

Teens, Social Media and Technology 2024

Fairness and Retaliation: The Economics of Reciprocity

Proximity within real world adolescent peer networks predicts neural similarity during affective experience

Cell phone usage and academic performance: An experiment.

Instagram Use and Self-Objectification: The Roles of Internalization, Comparison, Appearance Commentary, and Feminism

Faverio, M., Sidoti, O. (2024). Teens, Social Media and Technology 2024, Pew Research Center , <https://www.pewresearch.org/internet/2024/12/12/teens-social-media-and-technology-2024> .

Fehr E, Gächter S. (2000). Fairness and Retaliation: The Economics of Reciprocity. *Journal of Economic Perspectives*. 14. 159-181.

Feldman, M.J†\*, Capella, J†\*, Bonar, A.S†., Dai, J†., Field, N†., Lewis, K., Prinstein, M., Telzer, E.H., Lindquist, K.A (in press) Proximity within real world adolescent peer networks predicts neural similarity during affective experience. *Social Cognitive and Affective Neuroscience*. \*denotes equal first authorship

Felisoni, D. D., & Godoi, A. S. (2018). Cell phone usage and academic performance: An experiment. *Computers & Education* , 117, 175–187.  
<https://doi.org/10.1016/j.compedu.2017.10.006>

Feltman, C. E., & Szymanski, D. M. (2018). Instagram Use and Self-Objectification: The Roles of Internalization, Comparison, Appearance Commentary, and Feminism. *Sex Roles* , 78 (5-6), 311–324. <https://doi.org/10.1007/s11199-017-0796-1>

2023	<i>The Journal of Psychology</i>	Ferdousi, J. S.	Bradley, G. L. & Carlini, J.
2024	<i>Psychology of Popular Media</i>	Ferguson, C. J.	N/A
2025	<i>Psychology of Popular Media</i>	Ferguson	N/A
2025	<i>Professional Psychology: Research and Practice</i>	Ferguson, C. J.	Kaye, L. K., Branley-Bell, D., & Markey, P.
2022	<i>Professional Psychology: Research and Practice</i>	Ferguson, C. J.	Kaye, L. K., Branley-Bell, D., Markey, P., Ivory, J. D., Klisanin, D., Elson, M., Smyth, M., Hogg, J. L., McDonnell, D., Nichols, D., Siddiqui, S., Gregerson, M., & Wilson, J.



Through Thick and Thin: Exposure to Instagram Advertisements and Willingness to Engage in Appearance-Altering Practices

Do social media experiments prove a link with mental health: A methodological and meta-analytic review

Do Social Media Experiments Prove a Link With Mental Health: A methodological and meta-analytic review

There is no evidence that time spent on social media is correlated with adolescent mental health problems: Findings from a meta-analysis.

Like this meta-analysis: Screen media and mental health

Ferdousi, J. S., Bradley, G. L., & Carlini, J. (2023). Through Thick and Thin: Exposure to Instagram Advertisements and Willingness to Engage in Appearance-Altering Practices. *The Journal of Psychology*, 157(6), 367–388. <https://doi.org/10.1080/00223980.2023.2221014>

Ferguson, C. J. (2024). Do social media experiments prove a link with mental health: A methodological and meta-analytic review. *Psychology of Popular Media*. <https://doi.org/10.1037/ppm0000541>.

Ferguson, C. J. (2025). Do social media experiments prove a link with mental health: A methodological and meta-analytic review. *Psychology of Popular Media*, 14(2), 201–206. <https://doi.org/10.1037/ppm0000541>

Ferguson, C. J., Kaye, L. K., Branley-Bell, D., & Markey, P. (2025). There is no evidence that time spent on social media is correlated with adolescent mental health problems: Findings from a meta-analysis. *Professional Psychology: Research and Practice*, 56(1), 73–83. <https://doi.org/10.1037/pro0000589>

Ferguson, C. J., Kaye, L. K., Branley-Bell, D., Markey, P., Ivory, J. D., Klisanin, D., Elson, M., Smyth, M., Hogg, J. L., McDonnell, D., Nichols, D., Siddiqui, S., Gregerson, M., & Wilson, J. (2022). Like this meta-analysis: Screen media and mental health. *Professional Psychology: Research and Practice*, 53(2), 205–214. <https://doi.org/10.1037/pro0000426>

2024	<i>Affective Science</i>	Ferguson	Hawes, Mogle, Scott, & Klein
2008	<i>J. Neurochem</i>	Ferre, S.	N/A
2016	<i>Psychopharmacology</i>	Ferré, S.	N/A
1957	<i>Schedules of Reinforcement.</i>	Ferster, C. B.	Skinner, B. F.
1954	<i>Human Relations</i>	Festinger, L.	N/A

Social Media Activities and Affective Well-being in the Daily Life of Emerging Adults
An update on the mechanisms of the psychostimulant effects of caffeine.
Mechanisms of the psychostimulant effects of caffeine: Implications for substance use disorders.
Schedules of Reinforcement.
A theory of social comparison processes

Ferguson, G., Hawes, M. T., Mogle, J., Scott, S. B., & Klein, D. N. (2024). Social Media Activities and Affective Well-being in the Daily Life of Emerging Adults. *Affective Science*, 5 (4), 358–365. <https://doi.org/10.1007/s42761-024-00251-3>

Ferre, S. (2008). An update on the mechanisms of the psychostimulant effects of caffeine. *J. Neurochem* 105:1067-1079. doi: 10.1111/j.1471-4159.2007.05196.x

Ferré, S. (2016). Mechanisms of the psychostimulant effects of caffeine: Implications for substance use disorders. *Psychopharmacology*, 233(10), 1963–1979. <https://doi.org/10.1007/s00213-016-4212-2>

Ferster, C. B., & Skinner, B. F. (1957). Schedules of Reinforcement.

Festinger L (1954). A theory of social comparison processes. *Human Relations*, 7(2), 117–140.

2023	<i>Journal of Research on Adolescence</i>	Field	Nick, Massing-Schaffer, Fox, Nesi, Prinstein
2024	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Field, N. H.	Nick, E. A., Massing-Schaffer, M., Fox, K. A., Nesi, J., & Prinstein, M. J.
(in press)	<i>Developmental Psychology</i>	Field, N.H.	Balkind, E., Burnell, K., Fox, K.A., Feldman, M.J., Nick, E.A., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J.
2023	<i>Child Development</i>	Field, N†.	Choukas-Bradley, S., Giletta, M., Telzer, E.H., Cohen, G., & Prinstein, M.J.
2022	<i>Adolescent Research Review</i>	Fioravanti, G.	Bocci Benucci, S., Ceragioli, G., & Casale, S.

High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern

High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern

Popularity, but not likability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence

Why adolescents conform to high-status peers: Associations among conformity, identity alignment, and self-esteem

How the exposure to beauty ideals on social networking sites influences body image: A systematic review of experimental studies

Field, N. H., Nick, E. A., Massing-Schaffer, M., Fox, K. A., Nesi, J., & Prinstein, M. J. (2023). High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern. *Journal of Research on Adolescence* , 34 (1), 114–126. <https://doi.org/10.1111/jora.12904>

Field, N. H., Nick, E. A., Massing-Schaffer, M., Fox, K. A., Nesi, J., & Prinstein, M. J. (2024). High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern. *Journal of Research on Adolescence : The Official Journal of the Society for Research on Adolescence* , 34(1), 114–126. <https://doi.org/10.1111/jora.12904>

Field, N.H., Balkind, E., Burnell, K., Fox, K.A., Feldman, M.J., Nick, E.A., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (in press). Popularity, but not likability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence. *Developmental Psychology*. <https://doi.org/10.1037/dev0001914>

Field, N†., Choukas-Bradley, S., Giletta, M., Telzer, E.H., Cohen, G., & Prinstein, M.J. (2023). Why adolescents conform to high-status peers: Associations among conformity, identity alignment, and self-esteem. *Child Development*, 95, 879-894. <http://doi.org/10.1111/cdev.14038>

Fioravanti, G., Bocci Benucci, S., Ceragioli, G., & Casale, S. (2022). How the exposure to beauty ideals on social networking sites influences body image: A systematic review of experimental studies. *Adolescent Research Review* , 7(3), 419–458. <https://doi.org/10.1007/s40894-022-00179-4>



2019	<i>Cyberpsychology, Behavior, and Social Networking</i>	Fioravanti, G.	Prostamo, A., & Casale, S.
2021	<i>New Media &amp; Society</i>	Fioravanti	Svicher, Ceragioli, Bruni, Casale
2021	<i>Scandinavian Journal of Psychology</i>	Fioravanti	Tonioni, Casale
2024	<i>Psychology of Popular Media</i>	Firasta	Vani, Lucibello, Sabiston
2004	<i>Cellular and Molecular Life Sciences CMLS</i>	Fisone, G.	Borgkvist, A., & Usiello, A.

Taking a Short Break from Instagram: The Effects on Subjective Well-Being
Examining the impact of daily exposure to body-positive and fitspiration Instagram content on young women's mood and body image: An intensive longitudinal study
#Fitspiration on Instagram: The effects of fitness-related images on women's self-perceived sexual attractiveness
Understanding Social Media Appearance Preoccupation: The Role of Body Image Emotions
Caffeine as a psychomotor stimulant: Mechanism of action.

Fioravanti, G., Probst, A., & Casale, S. (2019). Taking a Short Break from Instagram: The Effects on Subjective Well-Being. *Cyberpsychology, Behavior, and Social Networking*, 23 (2). <https://doi.org/10.1089/cyber.2019.0400>

Fioravanti, G., Svicher, A., Ceragioli, G., Bruni, V., & Casale, S. (2021). Examining the impact of daily exposure to body-positive and fitspiration Instagram content on young women's mood and body image: An intensive longitudinal study. *New Media & Society*, 25(12), 3266-3288. <https://doi.org/10.1177/14614448211038904>

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Firasta, L., Vani, M. F., Lucibello, K. M., & Sabiston, C. M. (2024). Understanding social media appearance preoccupation: The role of body image emotions. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000559>

Fisone, G., Borgkvist, A., & Usiello, A. (2004). Caffeine as a psychomotor stimulant: Mechanism of action. *Cellular and Molecular Life Sciences CMLS*, 61(7), 857–872. <https://doi.org/10.1007/s00018-003-3269-3>

2024	<i>Social Cognitive and Affective Neuroscience</i>	Flannery, J. S.	Burnell, K., †Kwon, S.-J., †Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2024	<i>Social cognitive and affective neuroscience</i>	Flannery, J. S.	Burnell, K., Kwon, S. J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Flannery, J. S.	Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Flannery, J. S.	Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2022	<i>Elsevier</i>	Flannery, J. S.	Maza, M. T., Kilic, Z., & Telzer, E. H.

Developmental changes in brain function  
linked with addiction-like social media use  
two years later

Developmental changes in brain function  
linked with addiction-like social media use  
two years later

Developmental changes in brain function  
linked with addiction-like social media use  
two years later

Developmental changes in brain function  
linked with addiction-like social media use  
two years later.

Cascading bidirectional influences of digital  
media use and mental health in adolescence

Flannery, J. S., Burnell, K., †Kwon, S.-J., †Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive and Affective Neuroscience*, 19, nsae008.

Flannery, J. S., Burnell, K., Kwon, S. J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social cognitive and affective neuroscience*, 19(1), nsae008. <https://doi.org/10.1093/scan/nsae008>

Flannery, J. S., Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive and Affective Neuroscience*, 19(1). <https://doi.org/10.1093/scan/nsae008>

Flannery, J. S., Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive and Affective Neuroscience*, 19(1). <https://doi.org/10.1093/scan/nsae008>

Flannery, J. S., Maza, M. T., Kilic, Z., & Telzer, E. H. (2022). Cascading bidirectional influences of digital media use and mental health in adolescence. *Elsevier*. <https://doi.org/10.1016/bs.acdb.2022.10.003>

2017	<i>Developmental Cognitive Neuroscience</i>	Flannery, J.	Gabard-Durnam, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D., Telzer, E.H., Humphreys, K., Lumian, D., Tottenham, N.
2024	<i>Social Cognitive Affective Neuroscience</i>	Flannery, J.S <sup>†</sup> .	Burnell, K., Kwon, S <sup>†</sup> ., Jorgensen, N.A <sup>†</sup> ., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Biological Psychiatry</i>	Flannery, J.S <sup>†</sup> .	Jorgensen, N.A <sup>†</sup> ., Kwon, S <sup>†</sup> ., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A.
2023	<i>Advances in Child Development and Behavior</i>	Flannery, J.S <sup>†</sup> .	Maza, M.T <sup>†</sup> ., Kilic, Z <sup>†</sup> ., & Telzer, E.H.
2025	<i>PPM</i>	Flynn	Newman

Diurnal cortisol after early institutional care -  
Age matters

Developmental changes in brain function  
linked with addiction-like social media use  
two years later

Developmental changes in habenular and  
striatal social reinforcement responsivity  
across adolescence linked with substance use

Cascading bidirectional influences of digital  
media use and mental health in adolescence

Viewing Before and After Weight Loss  
Transformation Images Online: The Impact  
on Young Women's Mood, Body  
Satisfaction, Self-Objectification, and the  
Role of Appearance Comparison



Flannery, J., Gabard-Durnam, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D., Telzer, E.H., Humphreys, K., Lumian, D., Tottenham, N. (2017). Diurnal cortisol after early institutional care - Age matters. *Developmental Cognitive Neuroscience*, 25, 160-166. <https://doi.org/10.1016/j.dcn.2017.03.006>

Flannery, J.S†., Burnell, K., Kwon, S†., Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive Affective Neuroscience*, 19, nsae008. <https://doi.org/10.1093/scan/nsae008>

Flannery, J.S†., Jorgensen, N.A†., Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A. (2023). Developmental changes in habenular and striatal social reinforcement responsivity across adolescence linked with substance use. *Biological Psychiatry*, 94, 888-897. <https://doi.org/10.1016/j.biopsych.2023.04.018>

Flannery, J.S†., Maza, M.T†., Kilic, Z†., & Telzer, E.H. (2023). Cascading bidirectional influences of digital media use and mental health in adolescence. *Advances in Child Development and Behavior*, 64, 255-287. <https://doi.org/10.1016/bs.acdb.2022.10.003>

Flynn, E., & Newman, E. (2025). Viewing before and after weight loss transformation images online: The impact on young women's mood, body satisfaction, self-objectification, and the role of appearance comparison. *Psychology of Popular Media*, 14(1), 90-99. <https://doi.org/10.1037/ppm0000502>

2024	<i>Vox</i>	Ford, C.	N/A
2023	<i>Addictive Behaviors</i>	Fournier, L.	Schimmenti, A., Musetti, A., Boursier, V., Flayelle, M., Cataldo, I., Starcevic, V., & Billieux, J.
2021	<i>Journal of Research on Adolescence</i>	Fowler, C.H <sup>†</sup> .	Lin, L.C <sup>†</sup> ., Rudolph, K.D., Telzer, E.H.
2017	<i>Developmental Cognitive Neuroscience</i>	Fowler, C.H <sup>†</sup> .	Miernicki, M.E <sup>†</sup> ., Rudolph, K.D., & Telzer, E.H.
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Fox	Vendemia

Dopamine, explained.

Deconstructing the components model of addiction: An illustration through “addictive” use of social media

Like me back: Neural correlates of low perceived relational value in peer victimized youth

Disrupted amygdala-prefrontal connectivity during emotion regulation links stress-reactive rumination and adolescent depressive symptoms

Selective Self-Presentation and Social Comparison Through Photographs on Social Networking Sites

Ford, C. (2024, May 22). Dopamine, explained. Vox. <https://www.vox.com/future-perfect/24159087/what-is-dopamine-hacking-fasting-does-it-work-science>

Fournier, L., Schimmenti, A., Musetti, A., Boursier, V., Flayelle, M., Cataldo, I., Starcevic, V., & Billieux, J. (2023). Deconstructing the components model of addiction: An illustration through “addictive” use of social media. *Addictive Behaviors*, 143, 107694. <https://doi.org/10.1016/j.addbeh.2023.107694>

Fowler, C.H†., Lin, L.C†., Rudolph, K.D., Telzer, E.H. (2021). Like me back: Neural correlates of low perceived relational value in peer victimized youth. *Journal of Research on Adolescence* , 31, 435-450. <https://doi.org/10.1111/jora.12615>

Fowler, C.H†., Miernicki, M.E†., Rudolph, K.D., & Telzer, E.H. (2017). Disrupted amygdala-prefrontal connectivity during emotion regulation links stress-reactive rumination and adolescent depressive symptoms. *Developmental Cognitive Neuroscience* , 27, 99-106. <https://doi.org/10.1016/j.dcn.2017.09.002>

Fox, J., & Vendemia, M. A. (2016). Selective Self-Presentation and Social Comparison Through Photographs on Social Networking Sites. *Cyberpsychology, Behavior, and Social Networking* , 19 (10), 593–600. <https://doi.org/10.1089/cyber.2016.0248>

2021	<i>Body Image</i>	Fox, J.	Vendemia, M. A., Smith, M. A., & Brehm, N. R.
(in press)	<i>Journal of Clinical Child and Adolescent Psychology</i>	Fox, K.A†.	Nick, E., Nesi, J., Telzer, E.H., & Prinstein, M.J.
2025	<i>Annual Review of Neuroscience</i>	Frank, M. J.	N/A
2022	<i>Journal of Youth and Adolescence</i>	Fredrick	Nickerson, & Livingston
2016	<i>Social Science Computer Review</i>	Frison, E.	Eggermont, S.

Effects of taking selfies on women's self-objectification, mood, self-esteem, and social aggression toward female peers
Why haven't you texted me back? Adolescents' digital entrapment, friendship conflict, and perceived general health
Adaptive Cost-Benefit Control Fueled by Striatal Dopamine.
Adolescent Social Media Use: Pitfalls and Promises in Relation to Cybervictimization, Friend Support, and Depressive Symptoms
Exploring the relationships between different types of facebook use, perceived online social support, and adolescents' depressed mood

Fox, J., Vendemia, M. A., Smith, M. A., & Brehm, N. R. (2021). Effects of taking selfies on women's self-objectification, mood, self-esteem, and social aggression toward female peers. *Body Image* , 36, 193–200. <https://doi.org/10.1016/j.bodyim.2020.11.011>

Fox, K.A†., Nick, E., Nesi, J., Telzer, E.H., & Prinstein, M.J. (in press). Why haven't you texted me back? Adolescents' digital entrapment, friendship conflict, and perceived general health. *Journal of Clinical Child and Adolescent Psychology*.  
<https://doi.org/10.1080/15374416.2023.2261543>

Frank, M. J. (2025). Adaptive Cost-Benefit Control Fueled by Striatal Dopamine.  
<https://doi.org/10.1146/annurev-neuro-112723-025228>

Fredrick, S. S., Nickerson, A. B., & Livingston, J. A. (2022). Adolescent Social Media Use: Pitfalls and Promises in Relation to Cybervictimization, Friend Support, and Depressive Symptoms. *Journal of Youth and Adolescence* , 51 (2), 361–376.  
<https://doi.org/10.1007/s10964-021-01561-6>

Frison, E., & Eggermont, S. (2016). Exploring the relationships between different types of facebook use, perceived online social support, and adolescents' depressed mood. *Social Science Computer Review* , 34(2), 153–171. <https://doi.org/10.1177/0894439314567449>

2010	<i>Nature Reviews Neurology</i>	Frisoni, G. B.	Fox, N. C., Jack, C. R., Scheltens, P., & Thompson, P. M.
2006	<i>Neuron</i>	Frith, C. D.	Frith, U.
2023	<i>Emotion</i>	Fritz	Margolis, Radošic, Revord, Kellerman, Levi Nieminen, Reece, & Lyubomirsky
2024	<i>Health Economics</i>	Fruehwirth	Weng, Perreira
2024	<i>Psychology of Popular Media</i>	Fruhauf	Jones, Kopp, Niedermeier



The clinical use of structural MRI in Alzheimer disease. *Nature Reviews*

The neural basis of mentalizing

Examining the Social in the Prosocial: Episode-Level Features of Social Interactions and Kind Acts Predict Social Connection and Well-Being

The effect of social media use on mental health of college students during the pandemic

One Fit(Spiration) for All? Gender Differences in Body Satisfaction

Frisoni, G. B., Fox, N. C., Jack, C. R., Scheltens, P., & Thompson, P. M. (2010). The clinical use of structural MRI in Alzheimer disease. *Nature Reviews. Neurology* , 6(2), 67–77.  
<https://doi.org/10.1038/nrneurol.2009.215>

Frith, C. D., & Frith, U. (2006). The neural basis of mentalizing. *Neuron* , 50(4), 531–534.  
<https://doi.org/10.1016/j.neuron.2006.05.001>

Fritz, M. M., Margolis, S., Radošić, N., Revord, J. C., Rosen Kellerman, G., Nieminen, L. R. G., Reece, A., & Lyubomirsky, S. (2023). Examining the social in the prosocial: Episode-level features of social interactions and kind acts predict social connection and well-being. *Emotion*, 23(8), 2270–2285. <https://doi.org/10.1037/emo0001232>

Fruehwirth, J.C., Weng, A.X., & Perreira, K. M. (2024). The Effect of Social Media Use on Mental Health of College Students during the Pandemic. *Health Economics* , 33 (10).  
<https://doi.org/10.1002/hec.4871>

Frühauf, A., Jones, C., Kopp, M., & Niedermeier, M. (2024). One fit(spiration) for all? Gender differences in body satisfaction. *Psychology of Popular Media* .  
<https://doi.org/10.1037/ppm0000551>

2024	<i>Children &amp; Society</i>	Frühauf	Roth, Rausch, & Kopp
2021	<i>Journal of Family Psychology</i>	Fry, C.M.	Telzer, E.H. & Rogers, C.R.
2010	<i>The British journal of psychiatry: the journal of mental science</i>	Fu, K. W.	Chan, W. S., Wong, P. W., & Yip, P. S.
2015	<i>Trends in Cognitive Sciences</i>	Fuhrmann, D.	Knoll, L. J. & Blakemore, S.-J.
2022	<i>Nature</i>	Fuligni, A.J.	Galván, A.

Fitspiration—Inspiration or threat for adolescent girls? A qualitative investigation on fitness- related social media content and physical education

Siblings as buffers: Social problems and internalizing and externalizing behaviors across early adolescence

Internet addiction: prevalence, discriminant validity and correlates among adolescents in Hong Kong

Adolescence as a sensitive period of brain development

Young people need experiences that boost their mental health

Frühauf, A., Roth, M., Rausch, L., & Kopp, M. (2024). Fitspiration—Inspiration or threat for adolescent girls? A qualitative investigation on fitness-related social media content and physical education. *Children & Society* , 38 (6). <https://doi.org/10.1111/chso.12879>

Fry, C.M., Telzer, E.H., & Rogers, C.R. (2021). Siblings as buffers: Social problems and internalizing and externalizing behaviors across early adolescence. *Journal of Family Psychology* , 35, 939-949. <https://doi.org/10.1037/fam0000876>

Fu, K. W., Chan, W. S., Wong, P. W., & Yip, P. S. (2010). Internet addiction: prevalence, discriminant validity and correlates among adolescents in Hong Kong. *The British journal of psychiatry : the journal of mental science*, 196(6), 486–492. <https://doi.org/10.1192/bjp.bp.109.075002>

Fuhrmann, D., Knoll, L. J., & Blakemore, S.-J. (2015). Adolescence as a sensitive period of brain development. *Trends in Cognitive Sciences* , 19(10), 558–566. <https://doi.org/10.1016/j.tics.2015.07.008>

Fuligni, A.J& Galván, A. (2022). Young people need experiences that boost their mental health. *Nature* 610(7931):253-256.

2012	<i>Cambridge University Press</i>	Fuligni, A.J.	Telzer, E.H.
2013	<i>Perspectives in Child Development</i>	Fuligni, A.J.	Telzer, E.H.
2009	<i>Psychosomatic Medicine</i>	Fuligni, A.J.	Telzer, E.H., Bower, J., Cole, S.W., Kiang, L., & Irwin, M.R.
2009	<i>Brain, Behavior, and Immunity</i>	Fuligni, A.J.	Telzer, E.H., Bower, J., Irwin, M.R., Kiang, L., & Cole, S.W.
2023	<i>Journal of Child Psychology and Psychiatry</i>	Funkhouser	Trivedi, Li, Helgren, Zhang, Sritharan, Cherner, Pagliaccio, Durham, Kyler, Tse, Buchanan, Allen, Shankman, & Auerbach

The contributions of immigrant adolescents (pgs 181-202). In A.S. Masten, D. Hernandez, & K. Liebkind (Eds). Realizing the Potential of Immigrant Youth
Another way the family can get in the head and under the skin: The neurobiology of family assistance
A preliminary study of daily interpersonal stress and C-Reactive Protein levels among adolescents from Latin American and European backgrounds
Daily family assistance and inflammation among adolescents from Latin American and European backgrounds
Detecting adolescent depression through passive monitoring of linguistic markers in smartphone communication

Fuligni, A.J. & Telzer, E.H. (2012). The contributions of immigrant adolescents (pgs 181-202). In A.S. Masten, D. Hernandez, & K. Liebkind (Eds). *Realizing the Potential of Immigrant Youth*. Cambridge University Press, New York, NY.  
<https://doi.org/10.1017/CBO9781139094696>

Fuligni, A.J. & Telzer, E.H. (2013). Another way the family can get in the head and under the skin: The neurobiology of family assistance. *Perspectives in Child Development* , 7, 138-142.  
<https://doi.org/10.1111/cdep.12029>

Fuligni, A.J., Telzer, E.H., Bower, J., Cole, S.W., Kiang, L., & Irwin, M.R. (2009). A preliminary study of daily interpersonal stress and C-Reactive Protein levels among adolescents from Latin American and European backgrounds. *Psychosomatic Medicine* , 71, 1-5. <https://doi.org/10.1097/PSY.0b013e3181921b1f>

Fuligni, A.J., Telzer, E.H., Bower, J., Irwin, M.R., Kiang, L., & Cole, S.W. (2009). Daily family assistance and inflammation among adolescents from Latin American and European backgrounds. *Brain, Behavior, and Immunity* , 23, 803-809.  
<https://doi.org/10.1016/j.bbi.2009.02.021>

Funkhouser, C. J., Trivedi, E., Li, L. Y., Helgren, F., Zhang, E., Sritharan, A., Cherner, R. A., Pagliaccio, D., Durham, K., Kyler, M., Tse, T. C., Buchanan, S. N., Allen, N. B., Shankman, S. A., & Auerbach, R. P. (2023). Detecting adolescent depression through passive monitoring of linguistic markers in smartphone communication. *Journal of Child Psychology and Psychiatry and Allied Disciplines* . <https://doi.org/10.1111/jcpp.13931>



1992	<i>Child development</i>	Furman, W.	Buhrmester, D.
2014	<i>NeuroImage</i>	Gabard-Durnam, L.	Flannery, J., Goff, B., Gee, D.G., Humphreys, K.L., Telzer, E.H., Hare, T., & Tottenham, N.
2016	<i>Journal of Neuroscience</i>	Gabard-Durnam, L.	Gee, D.G., Goff, B., Flannery, J., Telzer, E.H., Humphreys, K.L., Lumian, D.S., Fareri, D.S., Caldera, C., & Tottenham, N.
2023	<i>Computers in Human Behavior</i>	Gahler	Dajches, Teran, Yan, Aubrey
2023	<i>Body Image</i>	Gahler	Zeng, Yan, Teran, Dajches, Aubrey

Age and sex differences in perceptions of networks of personal relationships

The development of human amygdala functional connectivity at rest from 4 to 23 Years: a cross-sectional study

Stimulus-elicited connectivity influences resting-state connectivity years later in human development: A prospective study

Instagram influences: An examination of the tripartite influence model of body image among a racially diverse sample of young-adult women

Birds of a feather flocking together on Instagram: How racially similar followers and followings on Instagram are linked to young women's body image

Furman, W., & Buhrmester, D. (1992). Age and sex differences in perceptions of networks of personal relationships. *Child development*, 63(1), 103-115.

Gabard-Durnam, L., Flannery, J., Goff, B., Gee, D.G., Humphreys, K.L., Telzer, E.H., Hare, T., & Tottenham, N. (2014). The development of human amygdala functional connectivity at rest from 4 to 23 Years: a cross-sectional study. *NeuroImage*, 95, 193-207.  
<https://doi.org/10.1016/j.neuroimage.2014.03.038>

Gabard-Durnam, L., Gee, D.G., Goff, B., Flannery, J., Telzer, E.H., Humphreys, K.L., Lumian, D.S., Fareri, D.S., Caldera, C., & Tottenham, N. (2016). Stimulus-elicited connectivity influences resting-state connectivity years later in human development: A prospective study. *Journal of Neuroscience*, 36, 4771-4784.  
<https://doi.org/10.1523/JNEUROSCI.0598-16.2016>

Gahler, H., Dajches, L., Terán, L., Yan, K., & Aubrey, J. S. (2023). Instagram influences: An examination of the tripartite influence model of body image among a racially diverse sample of young-adult women. *Computers in Human Behavior*, 145, 107785.  
<https://doi.org/10.1016/j.chb.2023.107785>

Gahler, H., Zeng, J., Yan, K., Terán, L., Dajches, L., & Aubrey, J. S. (2023). Birds of a feather flocking together on Instagram: How racially similar followers and followings on Instagram are linked to young women's body image. *Body Image*, 47, 101626.  
<https://doi.org/10.1016/j.bodyim.2023.101626>

2020	<i>Trends in Cognitive Sciences</i>	Galván A.	N/A
2021	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Galván, A.	N/A
2021	<i>Journal of Research on Adolescence</i>	Galván, A.	N/A
2013	<i>Journal of cognitive neuroscience</i>	Galván, A.	McGlennen, K. M.
2006	<i>The Journal of Neuroscience</i>	Galvan, A.	Hare, T. A., Parra, C. E., Penn, J., Voss, H., Glover, G., & Casey, B. J.

The need for sleep in the adolescent brain

Adolescent brain development and  
contextual influences: A decade in review

Adolescent brain development and  
contextual influences: A decade in review

Enhanced striatal sensitivity to aversive  
reinforcement in adolescents versus adults

Earlier development of the accumbens  
relative to orbitofrontal cortex might underlie  
risk-taking behavior in adolescents

Galván A (2020). The need for sleep in the adolescent brain. *Trends in Cognitive Sciences*, 24, 79-89.

Galván, A. (2021). Adolescent brain development and contextual influences: A decade in review. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence*, 31(4), 843–869. <https://doi.org/10.1111/jora.12687>

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Galvan, A., Hare, T. A., Parra, C. E., Penn, J., Voss, H., Glover, G., & Casey, B. J. (2006). Earlier development of the accumbens relative to orbitofrontal cortex might underlie risk-taking behavior in adolescents. *The Journal of Neuroscience*, 26(25), 6885–6892. <https://doi.org/10.1523/JNEUROSCI.1062-06.2006>

2025	<i>Neuroimage</i>	Gao, Y.	Hu, Y., Wang, J., Liu, C., Im, H., Jin, W., Zhu, W., Ge, W., Zhao, G., Yao, Q., Wang, P., Zhang, M., Niu, X., He, Q., & Wang, Q.
2017	<i>Frontiers for Young Minds</i>	Garber Bezdek, K†.	Telzer, E.H.
2024	<i>PPM</i>	Garcia	Cervantes, Rodriguez-Crespo, Drozdova, & Cooper
2022	<i>Psychology of Popular Media</i>	Garcia	Bingham, Liu
2022	<i>Developmental Cognitive Neuroscience</i>	Garcini, L. M.	Arredondo, M. M., Berry, O., Church, J. A., Fryberg, S., Thomason, M. E., & McLaughlin, K. A.

Neuroanatomical and functional substrates of the short video addiction and its association with brain transcriptomic and cellular architecture

Have no fear, the brain is here! How your brain responds to stress

Online Social Experiences Among Hispanic Emerging Adults: Associations With Mental and Sleep Health

The Effects of Daily Instagram Use on State Self-Objectification, Well-Being, and Mood for Young Women

Increasing diversity in developmental cognitive neuroscience: A roadmap for increasing representation in pediatric neuroimaging research



Gao, Y., Hu, Y., Wang, J., Liu, C., Im, H., Jin, W., Zhu, W., Ge, W., Zhao, G., Yao, Q., Wang, P., Zhang, M., Niu, X., He, Q., & Wang, Q. (2025). Neuroanatomical and functional substrates of the short video addiction and its association with brain transcriptomic and cellular architecture. *Neuroimage* , 307, 121029. <https://doi.org/10.1016/j.neuroimage.2025.121029>

Garber Bezdek, K†. & Telzer, E.H. (2017). Have no fear, the brain is here! How your brain responds to stress. *Frontiers for Young Minds* , 5, 1-8. <https://doi.org/10.3389/frym.2017.00071>

Garcia, M. A., Cervantes, A., Rodriguez-Crespo, A., Drozdova, A. D., & Cooper, T. V. (2024). Online social experiences among Hispanic emerging adults: Associations with mental and sleep health. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000564>

Garcia, R. L., Bingham, S., & Liu, S. (2022). The effects of daily Instagram use on state self-objectification, well-being, and mood for young women. *Psychology of Popular Media*, 11(4), 423–434. <https://doi.org/10.1037/ppm0000350>

Garcini, L. M., Arredondo, M. M., Berry, O., Church, J. A., Fryberg, S., Thomason, M. E., & McLaughlin, K. A. (2022). Increasing diversity in developmental cognitive neuroscience: A roadmap for increasing representation in pediatric neuroimaging research. *Developmental Cognitive Neuroscience* , 58, 101167. <https://doi.org/10.1016/j.dcn.2022.101167>

2023	<i>Journal of Clinical Child and Adolescent Psychology</i>	Garrett, S. L.	Burnell, K., Armstrong-Carter, E. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.
2023	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Garrett, S. L.	Burnell, K., Armstrong-Carter, E. L., Prinstein, M. J., & Telzer, E. H.
2023	<i>Journal of Research on Adolescence</i>	Garrett	Burnell, Armstrong-Carter, Prinstein, Telzer
2023	<i>Journal of Research on Adolescence</i>	Garrett, S.L†.	Burnell, K., Armstrong-Carter, E.L†., Prinstein, M.J., & Telzer, E.H.
(in press)	<i>Journal of Clinical Child and Adolescent Psychology</i>	Garrett, S.L†.	Burnell, K., Armstrong-Carter, E.M., Nelson, B.W., Prinstein, M.J., & Telzer, E.H.

Links Between Objectively-Measured Hourly Smartphone Use and Adolescent Wake Events Across Two Weeks

Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness

Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness

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Links between objectively-measured hourly smartphone use and adolescent wake events across two weeks

Garrett, S. L., Burnell, K., Armstrong-Carter, E. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2023). Links Between Objectively-Measured Hourly Smartphone Use and Adolescent Wake Events Across Two Weeks. *Journal of Clinical Child and Adolescent Psychology*, 1–11. <https://doi.org/10.1080/15374416.2023.2286595>

Garrett, S. L., Burnell, K., Armstrong-Carter, E. L., Prinstein, M. J., & Telzer, E. H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence*, 33(4), 1222–1234. <https://doi.org/10.1111/jora.12871>

Garrett, S. L., Burnell, K., Armstrong-Carter, E., Prinstein, M. J., & Telzer, E. H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence*, 33 (4). <https://doi.org/10.1111/jora.12871>

Garrett, S.L†., Burnell, K., Armstrong-Carter, E.L†., Prinstein, M.J., & Telzer, E.H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence*, 33, 1222-1234. <https://doi.org/10.1111/jora.12871>

Garrett, S.L†., Burnell, K., Armstrong-Carter, E.M., Nelson, B.W., Prinstein, M.J., & Telzer, E.H. (in press). Links between objectively-measured hourly smartphone use and adolescent wake events across two weeks. *Journal of Clinical Child and Adolescent Psychology*. <https://doi.org/10.1080/15374416.2023.2286595>

2013	<i>Proceedings of the National Academy of Sciences</i>	Gee, D.G.	Gabard-Durman, L., Flannery, J., Goff, B., Humphreys, K.L., Telzer, E.H., Hare, T.A., Bookheimer, S.Y., & Tottenham, N.
2014	<i>Psychological Science</i>	Gee, D.G.	Gabard-Durman, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Hare, T.A., Luniam, D.S., Fareri, D.S., Caldera, C., & Tottenham, N.
2013	<i>Journal of Neuroscience</i>	Gee, D.G.	Humphreys, K.L., Flannery, J., Goff, B., Telzer, E.H., Shapiro, M., Hare, T.A., Bookheimer, S.Y., & Tottenham, N.
2012	<i>Child Development</i>	Geier, C. F.	Luna, B.
2010	<i>Cerebral Cortex</i>	Geier, C. F.	Terwilliger, R., Teslovich, T., Velanova, K., & Luna, B.

Early developmental emergence of human amygdala–prefrontal connectivity after maternal deprivation

Maternal buffering of human amygdala–prefrontal circuitry during childhood but not adolescence

A developmental shift from positive to negative connectivity in human amygdala–prefrontal circuitry

Developmental effects of incentives on response inhibition

Immaturities in reward processing and its influence on inhibitory control in adolescence

Gee, D.G., Gabard-Durman, L., Flannery, J., Goff, B., Humphreys, K.L., Telzer, E.H., Hare, T.A., Bookheimer, S.Y., & Tottenham, N. (2013). Early developmental emergence of human amygdala–prefrontal connectivity after maternal deprivation. *Proceedings of the National Academy of Sciences* , 110(39), 15638-15643. <https://doi.org/10.1073/pnas.1307893110>

Gee, D.G., Gabard-Durman, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Hare, T.A., Luniam, D.S., Fareri, D.S., Caldera, C., & Tottenham, N. (2014). Maternal buffering of human amygdala-prefrontal circuitry during childhood but not adolescence. *Psychological Science* , 25, 2067-2078. <https://doi.org/10.1177/0956797614550878>

Gee, D.G., Humphreys, K.L., Flannery, J., Goff, B., Telzer, E.H., Shapiro, M., Hare, T.A., Bookheimer, S.Y., & Tottenham, N. (2013). A developmental shift from positive to negative connectivity in human amygdala-prefrontal circuitry. *Journal of Neuroscience* , 33, 4584-4593. <https://doi.org/10.1523/JNEUROSCI.3446-12.2013>

Geier, C. F., & Luna, B. (2012). Developmental effects of incentives on response inhibition. *Child Development* , 83(4), 1262–1274. <https://doi.org/10.1111/j.1467-8624.2012.01771.x>

Geier, C. F., Terwilliger, R., Teslovich, T., Velanova, K., & Luna, B. (2010). Immaturities in reward processing and its influence on inhibitory control in adolescence. *Cerebral Cortex* , 20(7), 1613–1629. <https://doi.org/10.1093/cercor/bhp225>

2009	<i>Pharmacology, Biochemistry, and Behavior</i>	Geier, C.	Luna, B.
2023	<i>Journal of Adolescence</i>	Gentzler	Hughes, Johnston, & Alderson
2023	<i>Journal of Adolescence</i>	Gentzler, A. L.	Hughes, J. L., Johnston, M., & Alderson, J. E.
2021	<i>Journal of Adolescent Health</i>	George, M. J.	Beron, K. J., Vollet, J. W., Burnell, K., Ehrenreich, S. E., & Underwood, M. K.
2021	<i>Emerging Adulthood</i>	George, M. J.	Ehrenreich, S. E., Burnell, K., Kurup, A. R., Vollet, J. W., & Underwood, M. K.



The maturation of incentive processing and cognitive control

Which social media platforms matter and for whom? Examining moderators of links between adolescents' social media use and depressive symptoms

Which social media platforms matter and for whom? Examining moderators of links between adolescents' social media use and depressive symptoms.

Frequency of text messaging and adolescents' mental health symptoms across 4 years of high school

Emerging adults' public and private discussions of substance use on social media

Geier, C., & Luna, B. (2009). The maturation of incentive processing and cognitive control. *Pharmacology, Biochemistry, and Behavior*, 93(3), 212–221.  
<https://doi.org/10.1016/j.pbb.2009.01.021>

Gentzler, A. L., Hughes, J. L., Johnston, M., & Alderson, J. (2023). Which Social Media Platforms Matter and for Whom? Examining Moderators of Links Between Adolescents' Social Media Use and Depressive Symptoms. *Journal of Adolescence*, 95 (8).  
<https://doi.org/10.1002/jad.12243>

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<https://doi.org/10.1002/jad.12243>

George, M. J., Beron, K. J., Vollet, J. W., Burnell, K., Ehrenreich, S. E., & Underwood, M. K. (2021). Frequency of text messaging and adolescents' mental health symptoms across 4 years of high school. *Journal of Adolescent Health*, 68, 324-330.

George, M. J., Ehrenreich, S. E., Burnell, K., Kurup, A. R., Vollet, J. W., & Underwood, M. K. (2021). Emerging adults' public and private discussions of substance use on social media. *Emerging Adulthood*, 9, 408-414.

2020	<i>Journal of Pediatrics</i>	George	Jensen, Russell, Gassman-Pnies, Copeland, Hoyle, Odgers
2019	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	George, M. J.	Rivenbark, J. G., Russell, M. A., Ng'eno, L., Hoyle, R. H., & Odgers, C. L.
2018	<i>Child Development</i>	George	Russell, Piontak, & Odgers
2025	<i>Substance Use &amp; Mis</i>	Georgiades, A.	Godwin, J., Andrade, F. C., Copeland, W. E., Davisson, E. K., Kuhn, C. M., Burnell, K., & Hoyle, R. H.
2017	<i>Springer International Publishing</i>	Gerber, J. P.	N/A

Young Adolescents' Digital Technology Use, Perceived Impairments, and Well-Being in a Representative Sample

Evaluating the use of commercially available wearable wristbands to capture adolescents' daily sleep duration

Concurrent and Subsequent Associations Between Daily Digital Technology Use and High-Risk Adolescents' Mental Health Symptoms

Hair cortisol concentrations in the prediction of early substance use engagement in youth

Social Comparison Theory. In V. Zeigler-Hill & T. K. Shackelford (Eds.), *Encyclopedia of personality and individual differences* (pp. 1–8)

George, M. J., Jensen, M. R., Russell, M. A., Gassman-Pines, A., Copeland, W. E., Hoyle, R. H., & Odgers, C. L. (2020). Young Adolescents' Digital Technology Use, Perceived Impairments, and Well-Being in a Representative Sample. *The Journal of Pediatrics* , 219 , 180–187. <https://doi.org/10.1016/j.jpeds.2019.12.002>

George, M. J., Rivenbark, J. G., Russell, M. A., Ng'eno, L., Hoyle, R. H., & Odgers, C. L. (2019). Evaluating the use of commercially available wearable wristbands to capture adolescents' daily sleep duration. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence* , 29(3), 613–626. <https://doi.org/10.1111/jora.12467>

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Georgiades, A., Godwin, J., Andrade, F. C., Copeland, W. E., Davisson, E. K., Kuhn, C. M., Burnell, K., & Hoyle, R. H. (2025). Hair cortisol concentrations in the prediction of early substance use engagement in youth. *Substance Use & Misuse* , 60 , 244-256.

Gerber, J. P. (2017). Social Comparison Theory. In V. Zeigler-Hill & T. K. Shackelford (Eds.), *Encyclopedia of personality and individual differences* (pp. 1–8). Springer International Publishing. [https://doi.org/10.1007/978-3-319-28099-8\\_1182-1](https://doi.org/10.1007/978-3-319-28099-8_1182-1)

2018	<i>Psychological bulletin</i>	Gerber, J. P.	Wheeler, L., Suls, J.
2011	<i>Annual Review of Neuroscience</i>	Gerfen, C. R.	Surmeier, D. J.
2024	<i>Nature Neuroscience</i>	Gershman, S. J.	Assad, J. A., Datta, S. R., Linderman, S. W., Sabatini, B. L., Uchida, N., & Wilbrecht, L.
2023	<i>Research on Child and Adolescent Psychopathology</i>	Gingras	Brendgen, Beauchamp, Séguin, Tremblay, Côté, & Herba
2023	<i>Research on Child and Adolescent Psychopathology</i>	Gingras	Brendgen, Beauchamp, Sguin, Tremblay, Cote, Herba

A social comparison theory meta-analysis  
60+ years on

Modulation of Striatal Projection Systems by  
Dopamine.

Explaining dopamine through prediction  
errors and beyond.

Adolescents and Social Media: Longitudinal  
Links Between Types of Use, Problematic  
Use and Internalizing Symptoms

Adolescents and social media: Longitudinal  
links between types of use, problematic use  
and internalizing symptoms.

Gerber, J. P., Wheeler, L., & Suls, J. (2018). A social comparison theory meta-analysis 60+ years on. *Psychological bulletin*, 144(2), 177–197. <https://doi.org/10.1037/bul0000127>

Gerfen, C. R., & Surmeier, D. J. (2011). Modulation of Striatal Projection Systems by Dopamine. *Annual Review of Neuroscience*, 34(1), 441–466. <https://doi.org/10.1146/annurev-neuro-061010-113641>

Gershman, S. J., Assad, J. A., Datta, S. R., Linderman, S. W., Sabatini, B. L., Uchida, N., & Wilbrecht, L. (2024). Explaining dopamine through prediction errors and beyond. *Nature Neuroscience*, 27(9), 1645–1655. <https://doi.org/10.1038/s41593-024-01705-4>

Gingras, M.-P., Brendgen, M., Beauchamp, M. H., Séguin, J. R., Tremblay, R. E., Côté, S. M., & Herba, C. M. (2023). *Adolescents and Social Media: Longitudinal Links Between Types of Use, Problematic Use and Internalizing Symptoms*. <https://doi.org/10.1007/s10802-023-01084-7>

Gingras, M.-P., Brendgen, M., Beauchamp, M. H., Séguin, J. R., Tremblay, R. E., Côté, S. M., & Herba, C. M. (2023). *Adolescents and Social Media: Longitudinal Links Between Types of Use, Problematic Use and Internalizing Symptoms*. <https://doi.org/10.1007/s10802-023-01084-7>



2024	<i>Journal of Youth and Adolescence</i>	Gingras	Brendgen, Beauchamp, Seguin, Tremblay, Cote, & Herba
2020	<i>Sex Roles</i>	Gioia	Griffiths, Boursier
1993	<i>Trends in Pharmacological Sciences</i>	Giros, B.	Caron, M. G.
2011	<i>Proceedings of the National Academy of Sciences</i>	Glimcher, P. W.	N/A
2013	<i>Neuroscience</i>	Goff, B.	Gee, D.G., Telzer, E.H., Humphreys, K.L., Gabard-Durnam, L., Flannery, J., & Tottenham, N.

Adolescents and Social Media: Longitudinal Links Between Motivations for Using Social Media and Subsequent Internalizing Symptoms
Adolescents' Body Shame and Social Networking Sites: The Mediating Effect of Body Image Control in Photos
Molecular characterization of the dopamine transporter.
Understanding dopamine and reinforcement learning: The dopamine reward prediction error hypothesis.
Reduced nucleus accumbens reactivity and adolescent depression following early-life stress

Gingras, M.-P., Brendgen, M., Beauchamp, M. H., Séguin, J. R., Tremblay, R. E., Côté, S. M., & Herba, C. M. (2024). Adolescents and Social Media: Longitudinal Links Between Motivations for Using Social Media and Subsequent Internalizing Symptoms. *Journal of Youth and Adolescence* . <https://doi.org/10.1007/s10964-024-02097-1>

Gioia, F., Griffiths, M.D. & Boursier, V. (2020). Adolescents' Body Shame and Social Networking Sites: The Mediating Effect of Body Image Control in Photos. *Sex Roles*. 83, 773–785. <https://doi.org/10.1007/s11199-020-01142-0>

Giros, B., & Caron, M. G. (1993). Molecular characterization of the dopamine transporter. *Trends in Pharmacological Sciences*, 14(2), 43–49. [https://doi.org/10.1016/0165-6147\(93\)90029-J](https://doi.org/10.1016/0165-6147(93)90029-J)

Glimcher, P. W. (2011). Understanding dopamine and reinforcement learning: The dopamine reward prediction error hypothesis. *Proceedings of the National Academy of Sciences*, 108(supplement\_3), 15647–15654. <https://doi.org/10.1073/pnas.1014269108>

Goff, B., Gee, D.G., Telzer, E.H., Humphreys, K.L., Gabard-Durnam, L., Flannery, J., & Tottenham, N. (2013). Reduced nucleus accumbens reactivity and adolescent depression following early-life stress. *Neuroscience* , 249, 129-138. <https://doi.org/10.1016/j.neuroscience.2012.12.010>

2004	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Gogtay, N.	Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T. F., Herman, D. H., Clasen, L. S., Toga, A. W., Rapoport, J. L., & Thompson, P. M.
2004	<i>Proceedings of the National Academy of Sciences</i>	Gogtay, N.	Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T.F., Herman, D.H., Clasen, L.S., Toga, A.W., Rapoport, J.L., & Thompson, P. M.
2025	<i>Social Media &amp; Society</i>	Goh	Hartanto, Sandeeshwara, Majeed
2017	<i>Social Cognitive Affective Neuroscience</i>	Goldenberg, D.	Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Gálvan, A.
2013	<i>Developmental Cognitive Neuroscience</i>	Goldenberg, D+., Telzer, E.H+.	Lieberman, M.D., Fuligni, A.J. & Gálvan, A.

Dynamic mapping of human cortical development during childhood through early adulthood

Dynamic mapping of human cortical development during childhood through early adulthood

No Consistent Evidence for Between- and Within-Person Associations Between Objective Social Media Screen Time and Body Image Dissatisfaction: Insights From a Daily Diary Study

Greater response variability in adolescents is associated with increased white matter development

Neural mechanisms of impulse control in sexually risky adolescents

Gogtay, N., Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T. F., Herman, D. H., Clasen, L. S., Toga, A. W., Rapoport, J. L., & Thompson, P. M. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. *Proceedings of the National Academy of Sciences of the United States of America* , 101(21), 8174–8179. <https://doi.org/10.1073/pnas.0402680101>

Gogtay, N., Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T.F., Herman, D.H., Clasen, L.S., Toga, A.,W., Rapoport, J.L., & Thompson, P. M. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. *Proceedings of the National Academy of Sciences*, 101(21), 8174-8179.

Goh, A. Y. H., Hartanto, A., Kasturiratna, K. T. A. S., & Majeed, N. M. (2025). No Consistent Evidence for Between- and Within-Person Associations Between Objective Social Media Screen Time and Body Image Dissatisfaction: Insights From a Daily Diary Study. *Social Media + Society* , 11 (1). <https://doi.org/10.1177/20563051251313855>

Goldenberg, D., Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Gálvan, A. (2017). Greater response variability in adolescents is associated with increased white matter development. *Social Cognitive Affective Neuroscience* , 12, 436-444. <https://doi.org/10.1093/scan/nsw132>

Goldenberg, D+, Telzer, E.H+, Lieberman, M.D., Fuligni, A.J., & Gálvan, A. (2013). Neural mechanisms of impulse control in sexually risky adolescents. *Developmental Cognitive Neuroscience* , 6, 23-29. <https://doi.org/10.1016/j.dcn.2013.06.002> +denotes equal author contribution

2021	<i>Scope.</i>	Goldman, B.	N/A
2018	<i>International Journal of Adolescence and Youth</i>	Gomez-Baya	Rubio-Gonzalez, Gaspar de Matos
2025	<i>BMJ (Clinical Research Ed.)</i>	Goodyear, V. A.	James, C., Orben, A., Quennerstedt, M., Schwartz, G., & Pallan, M.
2025	<i>Lancet Regional Health</i>	Goodyear, V.	Randhawa, A, Adab, P., A
2007	<i>Trends in Neurosciences</i>	Grace, A. A.	Floresco, S. B., Goto, Y., & Lodge, D. J.

Addictive potential of social media, explained.
Online communication, peer relationships and school victimisation: a one-year longitudinal study during middle adolescence
Approaches to children's smartphone and social media use must go beyond bans
School phone policies and their association with mental wellbeing, phone use, and social media use (SMART Schools): a cross-sectional observational study
Regulation of firing of dopaminergic neurons and control of goal-directed behaviors.



Goldman, B. (2021, October 29). Addictive potential of social media, explained. Scope. <https://scopeblog.stanford.edu/2021/10/29/addictive-potential-of-social-media-explained/>

Gomez-Baya, D., Rubio-Gonzalez, A., & Gaspar de Matos, M. (2018). Online communication, peer relationships and school victimisation: a one-year longitudinal study during middle adolescence. *International Journal of Adolescence and Youth* , 24 (2), 199–211. <https://doi.org/10.1080/02673843.2018.1509793>

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Goodyear, V. A., Randhawa, A., Péymane Adab, Hareth Al-Janabi, Fenton, S., Jones, K., Michail, M., Morrison, B., Patterson, P., Quinlan, J., Sitch, A., Twardochleb, R., Wade, M., & Pallan, M. (2025). School phone policies and their association with mental wellbeing, phone use, and social media use (SMART Schools): a cross-sectional observational study. *The Lancet Regional Health - Europe* , 51 , 101211–101211. <https://doi.org/10.1016/j.lanepe.2025.101211>

Grace, A. A., Floresco, S. B., Goto, Y., & Lodge, D. J. (2007). Regulation of firing of dopaminergic neurons and control of goal-directed behaviors. *Trends in Neurosciences*, 30(5), 220–227. <https://doi.org/10.1016/j.tins.2007.03.003>

2020	<i>Cyberpsychology, Behavior, and Social Networking</i>	Graham, S.	Mason, A., Riordan, B., Winter, T., & Scarf, D.
2023	<i>Body Image</i>	Graham	Newell, Phillips, Pritchard, Scarf
2016	<i>Journal of Child Psychology and Psychiatry</i>	Green, S.A.	Goff, B., Gee, D.G., Gabard-Durnam, L., Flannery, J., Telzer, E.H., Humphreys, K.L., Louie, J., & Tottenham, N.
2022	<i>Current Psychology</i>	Griffioen	Scholten, Lichtwarck-Aschoff, Maciejewski, & Granic
2018	<i>Cyberpsychol Behav Soc Netw.</i>	Griffiths S.	Murray SB, Krug I, McLean SA.

Taking a Break from Social Media Improves Wellbeing Through Sleep Quality
Curating a body-positive feed? An attempt to mitigate the negative impacts of thin-ideal content on Instagram
Discrimination of amygdala response predicts future separation anxiety in youth with early deprivation
Heterogeneity in some relationships between social media use and emerging adults' affective wellbeing
The Contribution of Social Media to Body Dissatisfaction, Eating Disorder Symptoms, and Anabolic Steroid Use Among Sexual Minority Men.

Graham, S., Mason, A., Riordan, B., Winter, T., & Scarf, D. (2020). Taking a Break from Social Media Improves Wellbeing Through Sleep Quality. *Cyberpsychology, Behavior, and Social Networking* , 24 (6). <https://doi.org/10.1089/cyber.2020.0217>

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Green, S.A., Goff, B., Gee, D.G., Gabard-Durnam, L., Flannery, J., Telzer, E.H., Humphreys, K.L., Louie, J., & Tottenham, N. (2016). Discrimination of amygdala response predicts future separation anxiety in youth with early deprivation. *Journal of Child Psychology and Psychiatry* , 10, 1135-1144. <https://doi.org/10.1111/jcpp.12578>

Griffioen, N., Scholten, H., Lichtwarck-Aschoff, A., Maciejewski, D., & Granic, I. (2022). Heterogeneity in some relationships between social media use and emerging adults' affective wellbeing. *Current Psychology* . <https://doi.org/10.1007/s12144-022-04035-5>

Griffiths S, Murray SB, Krug I, McLean SA. (2018). The Contribution of Social Media to Body Dissatisfaction, Eating Disorder Symptoms, and Anabolic Steroid Use Among Sexual Minority Men. *Cyberpsychol Behav Soc Netw*, 21(3):149-156.

1996	<i>Nature</i>	Griffiths, M.	N/A
2005	<i>Journal of Substance Use</i>	Griffiths, M.	N/A
(n.d.)	<i>Education and Health</i>	Griffiths, M. D.	N/A
2018	<i>Body Image</i>	Griffiths	Castle, Cunningham, Murray, Bastian, Barlow
2024	<i>Body Image</i>	Griffiths, S.	Harris, E. A., Whitehead, G., Angelopoulos, F., Stone, B., Grey, W., & Dennis, S.

Nicotine, tobacco and addiction.

A 'components' model of addiction within a biopsychosocial framework

Adolescent social media addiction (revisited)

How does exposure to thinspiration and fitspiration relate to symptom severity among individuals with eating disorders? Evaluation of a proposed model

Does TikTok contribute to eating disorders? A comparison of the TikTok algorithms belonging to individuals with eating disorders versus healthy controls

Griffiths, M. (1996). Nicotine, tobacco and addiction. *Nature*, 384(6604), 18–18.

Griffiths, M. (2005). A ‘components’ model of addiction within a biopsychosocial framework. *Journal of Substance Use*, 10(4), 191–197. <https://doi.org/10.1080/14659890500114359>

Griffiths, M. D. (n.d.). Griffiths, M.D. & Kuss, D.J. (2017). Adolescent social media addiction (revisited). *Education and Health*, 35, 59-62.

Griffiths, S., Castle, D., Cunningham, M., Murray, S. B., Bastian, B., & Barlow, F. K. (2018). How does exposure to thinspiration and fitspiration relate to symptom severity among individuals with eating disorders? Evaluation of a proposed model. *Body Image*, 27, 187–195. <https://doi.org/10.1016/j.bodyim.2018.10.002>

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2016	<i>Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems</i>	Grinberg, N.	Dow, A., Adamic, L., Naaman, M.
2017	<i>CSCW Proceedings</i>	Grinberg	Kalyanaraman, Adamic, Naaman
2015	<i>Journal of Adolescence</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Developmental Science</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Developmental Science</i>	Guassi Moreira, J†.	Telzer, E.H.



How Contribution Affects Engagement on Facebook

Understanding Feedback Expectations on Facebook

Changes in family cohesion and links to depression during the college transition

Family conflict influences whether adolescents take greater or fewer risks when their parent is affected

Family conflict is associated with longitudinal changes in insular-striatal functional connectivity during adolescent risk taking under maternal influence

Grinberg, N., Dow, P.A., Adamic, L.A. and Naaman, M. (2016) Changes in Engagement before and after Posting to Facebook. *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*, San Jose, 7-12 May 2016, 564-574. <https://doi.org/10.1145/2858036.2858501>

Grinberg, N., Kalyanaraman, S., Adamic, L. A., & Naaman, M. (2017). Understanding Feedback Expectations on Facebook. *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing - CSCW '17*. <https://doi.org/10.1145/2998181.2998320>

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Guassi Moreira, J†. & Telzer, E.H. (2018). Family conflict influences whether adolescents take greater or fewer risks when their parent is affected. *Developmental Science*, 21, e12611. <https://doi.org/10.1111/desc.12611>

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2018	<i>Emerging Adulthood</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Developmental Science</i>	Guassi Moreira, J†.	Telzer, E.H.
2016	<i>Journal of Youth and Adolescence</i>	Guassi Moreira, J†.	Miernicki, M.E†. & Telzer, E.H.
2017	<i>Social Cognitive Affective Neuroscience</i>	Guassi Moreira, J†.	Van Bavel, J. & Telzer, E.H.
2022	<i>BMC Psychol.</i>	Gugushvili N.	Täht K, Ruiter RAC, Verduyn P.

Longitudinal increases in parent-child relationship quality and sensation seeking interact to increase adolescent risk taking

Mother still knows best: Maternal influence uniquely modulates adolescent reward sensitivity during risk taking

Relationship quality buffers association between co-rumination and depressive symptoms among first year college students

Neural development of 'us and them'

Facebook use intensity and depressive symptoms: a moderated mediation model of problematic Facebook use, age, neuroticism, and extraversion.

Guassi Moreira, J†. & Telzer, E.H. (2018). Longitudinal increases in parent-child relationship quality and sensation seeking interact to increase adolescent risk taking. *Emerging Adulthood* , 6, 66-71. <https://doi.org/10.1177/2167696817705954>

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Gugushvili N, Täht K, Ruiter RAC, Verduyn P. (2022). Facebook use intensity and depressive symptoms: a moderated mediation model of problematic Facebook use, age, neuroticism, and extraversion. *BMC Psychol*, 10(1):279.

2021	<i>Body Image</i>	Guizzo	Canale, Fasoli
2018	<i>Psychiatry and Clinical Psychopharmacology</i>	Gul, H.	Yurumez Solmaz, E., Gul, A., & Oner, O.
2018	N/A	Guldvik, M. K.	Kvinnsland, I.
2020	<i>Cyberpsychology, Behavior, and Social Networking</i>	Gultzow	Guidry, Schneider, Hoving
2019	<i>BJM Open</i>	Guntuku	Schneider, Pelullo, Young, Wong, Ungar, Polsky, Volpp, & Merchant

Instagram Sexualization: When posts make you feel dissatisfied and wanting to change your body

Facebook overuse and addiction among Turkish adolescents: are ADHD and ADHD-related problems risk factors?

Smarter without smartphones?: effects of mobile phone bans in schools on academic performance, well-being, and bullying.

Male Body Image Portrayals on Instagram

Studying expressions of loneliness in individuals using twitter: an observational study

Guizzo, F., Canale, N., & Fasoli, F. (2021). Instagram Sexualization: When Posts Make You Feel Dissatisfied and Wanting to Change Your Body. *Body Image* , 39 , 62–67.  
<https://doi.org/10.1016/j.bodyim.2021.06.005>

Gul, H., Yurumez Solmaz, E., Gul, A., & Oner, O. (2018). Facebook overuse and addiction among Turkish adolescents: are ADHD and ADHD-related problems risk factors? *Psychiatry and Clinical Psychopharmacology* , 28(1), 80–90.  
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Guldvik, M. K., & Kvinnsland, I. (2018). Smarter without smartphones? : effects of mobile phone bans in schools on academic performance, well-being, and bullying.

Gültzow, T., Guidry, J. P. D., Schneider, F., & Hoving, C. (2020). Male Body Image Portrayals on Instagram. *Cyberpsychology, Behavior, and Social Networking* , 23 (5), 281–289. <https://doi.org/10.1089/cyber.2019.0368>

Guntuku, S. C., Schneider, R., Pelullo, A., Young, J., Wong, V., Ungar, L., Polsky, D., Volpp, K. G., & Merchant, R. (2019). Studying expressions of loneliness in individuals using twitter: an observational study. *BMJ Open* , 9 (11), e030355. <https://doi.org/10.1136/bmjopen-2019-030355>



2024	<i>Current Psychology</i>	Guo	Yue, Fangying, Ziao
2017	N/A	Guttmacher Institute	N/A
2012	<i>Social Cognitive and Affective Neuroscience</i>	Guyer, A. E.	Choate, V. R., Pine, D. S., & Nelson, E. E.
2009	<i>Child Development</i>	Guyer, A. E.	McClure-Tone, E. B., Shiffrin, N. D., Pine, D. S., & Nelson, E. E.
(in press)	<i>Journal of Research on Adolescence</i>	Haag, A-C.	Nick, E.A., Chen, M.S., Telzer, E.H., Prinstein, M.J., & Bonanno, G.A.

Social media use enhances adolescents' school belong albeit increases bullying victimization: A study of the 2018 pisa survey.

Adolescent sexual and reproductive health in the United States.

Neural circuitry underlying affective response to peer feedback in adolescence

Probing the neural correlates of anticipated peer evaluation in adolescence

Investigating risk profiles of smartphone activities and psychosocial factors in adolescents during the COVID-19 pandemic

Guo, Q., Yue, Z., Quan Fangying, & Xiao, L. (2024). Social media use enhances adolescents' school belong albeit increases bullying victimization: A study of the 2018 PISA survey. *Current Psychology* . <https://doi.org/10.1007/s12144-024-06937-y>

Guttmacher Institute. (2017). Adolescent sexual and reproductive health in the United States.

Guyer, A. E., Choate, V. R., Pine, D. S., & Nelson, E. E. (2012). Neural circuitry underlying affective response to peer feedback in adolescence. *Social Cognitive and Affective Neuroscience* , 7(1), 81–92. <https://doi.org/10.1093/scan/nsr043>

Guyer, A. E., McClure-Tone, E. B., Shiffrin, N. D., Pine, D. S., & Nelson, E. E. (2009). Probing the neural correlates of anticipated peer evaluation in adolescence. *Child Development* , 80(4), 1000–1015. <https://doi.org/10.1111/j.1467-8624.2009.01313.x>

Haag, A-C., Nick, E.A., Chen, M.S., Telzer, E.H., Prinstein, M.J., & Bonanno, G.A. (in press). Investigating risk profiles of smartphone activities and psychosocial factors in adolescents during the COVID-19 pandemic. *Journal of Research on Adolescence*, 35, 1-17. <https://doi.org/10.1111/jora.13045>

2011	<i>Neurobiology of Sensation and Reward</i>	Haber, S. N.	N/A
2016	<i>Dialogues in Clinical Neuroscience</i>	Haber, S. N.	N/A
2019	<i>European journal of pediatrics</i>	Hadjipanayis, A.	Efstathiou, E., Altorjai, P., Stiris, T., Valiulis, A., Koletzko, B., & Fonseca, H.
2009	<i>Dev. Neurosci.</i>	Hagenauer, M.H.	et al.
2019	<i>Journal of Medical Internet Research</i>	Haghayegh, S.	Khoshnevis, S., Smolensky, M. H., Diller, K. R., & Castriotta, R. J.

Neuroanatomy of Reward: A View from the Ventral Striatum. In J. A. Gottfried, J. A. Gottfried, J. A. Gottfried, & J. A. Gottfried (Eds.)

Corticostriatal circuitry.

Social media and children: what is the paediatrician's role?

Adolescent changes in the homeostatic and circadian regulation of sleep

Accuracy of Wristband Fitbit Models in Assessing Sleep: Systematic Review and Meta-Analysis

Haber, S. N. (2011). Neuroanatomy of Reward: A View from the Ventral Striatum. In J. A. Gottfried, J. A. Gottfried, J. A. Gottfried, & J. A. Gottfried (Eds.), *Neurobiology of Sensation and Reward*. CRC Press/Taylor & Francis. <https://doi.org/10.1201/b10776-15>

Haber, S. N. (2016). Corticostriatal circuitry. *Dialogues in Clinical Neuroscience*, 18(1), 7–21. <https://doi.org/10.31887/DCNS.2016.18.1/shaber>

Hadjipanayis, A., Efstathiou, E., Altorjai, P., Stiris, T., Valiulis, A., Koletzko, B., & Fonseca, H. (2019). Social media and children: what is the paediatrician's role?. *European journal of pediatrics*, 178(10), 1605–1612. <https://doi.org/10.1007/s00431-019-03458-w>

Hagenauer, M.H. et al. (2009) Adolescent changes in the homeostatic and circadian regulation of sleep. *Dev. Neurosci.* 31, 276–284.

Haghighayegh, S., Khoshnevis, S., Smolensky, M. H., Diller, K. R., & Castriotta, R. J. (2019). Accuracy of Wristband Fitbit Models in Assessing Sleep: Systematic Review and Meta-Analysis. *Journal of Medical Internet Research*, 21(11), e16273. <https://doi.org/10.2196/16273>

2024	N/A	Haidt, J.	N/A
(ongoing)	N/A	Haidt, J.	Rausch, Z., Twenge, J.
2021	<i>Psychological Assessment</i>	Hall, J. A.	Steele, R. G., Christofferson, J. L., & Mihailova, T.
2019	<i>Media Psychology</i>	Hall, J. A.	Xing, C., Ross, E. M., & J
2021	<i>Suicide &amp; Life-Threatening Behavior</i>	Hamilton	Biernesser, Moreno, Porta, Hamilton, Johnson, Poling, Sakolsky, Brent, & Goldstein

The Anxious Generation: How the Great Rewiring of Childhood Is Causing an Epidemic of Mental Illness.

Social Media and Mental Health: A Collaborative Review

Development and initial evaluation of a multidimensional digital stress scale

Experimentally manipulating social media abstinence: results of a four-week diary study

Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide



Haidt, J. (2024). The Anxious Generation: How the Great Rewiring of Childhood Is Causing an Epidemic of Mental Illness.

Haidt, J., Rausch, Z., & Twenge, J. (ongoing). Social media and mental health: A collaborative review. Unpublished manuscript, New York University. Accessed at [tinyurl.com/SocialMediaMentalHealthReview](https://tinyurl.com/SocialMediaMentalHealthReview)

Hall, J. A., Steele, R. G., Christofferson, J. L., & Mihailova, T. (2021). Development and initial evaluation of a multidimensional digital stress scale. *Psychological Assessment*, 33(3), 230–242. <https://doi.org/10.1037/pas0000979>

Hall, J. A., Xing, C., Ross, E. M., & Johnson, R. M. (2019). Experimentally manipulating social media abstinence: results of a four-week diary study. *Media Psychology*, 24 (2), 259–275. <https://doi.org/10.1080/15213269.2019.1688171>

Hamilton, J. L., Biernesser, C., Moreno, M. A., Porta, G., Hamilton, E., Johnson, K., Poling, K. D., Sakolsky, D., Brent, D. A., & Goldstein, T. G. (2021). Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide. *Suicide and Life-Threatening Behavior*, 51 (6). <https://doi.org/10.1111/sltb.12801>

2021	<i>Suicide &amp; life-threatening behavior</i>	Hamilton, J. L.	Biernesser, C., Moreno, M. A., Porta, G., Hamilton, E., Johnson, K., Poling, K. D., Sakolsky, D., Brent, D. A., & Goldstein, T. G.
2020	<i>Journal of Adolescence</i>	Hamilton	Chang, Reinhardt, Laoueur, Silk, Moreno, Franzen, & Bylsma
2024	<i>JCPP</i>	Hamilton	Dalack, Boyd, Jorgensen, Dreier, Sarna, & Brent
2022	<i>Journal of Sleep Research</i>	Hamilton	Hutchinson, Evankovich, Ladouceur, Silk
2022	<i>Social Science Computer Review</i>	Hampton	Shin

Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide

Social media use predicts later sleep timing and greater sleep variability: An ecological momentary assessment study of youth at high and low familial risk for depression

Positive and negative social media experiences and proximal risk for suicidal ideation in adolescents

Daily and average associations of physical activity, social media use, and sleep among adolescent girls during the COVID-19 pandemic

Disconnection More Problematic for Adolescent Self-Esteem than Heavy Social Media Use: Evidence from Access Inequalities and Restrictive Media Parenting in Rural America

Hamilton, J. L., Biernesser, C., Moreno, M. A., Porta, G., Hamilton, E., Johnson, K., Poling, K. D., Sakolsky, D., Brent, D. A., & Goldstein, T. G. (2021). Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide. *Suicide & life-threatening behavior*, 51(6), 1203–1212. <https://doi.org/10.1111/sltb.12801>

Hamilton, J. L., Chand, S., Reinhardt, L., Ladouceur, C. D., Silk, J. S., Moreno, M., Franzen, P. L., & Bylsma, L. M. (2020). Social media use predicts later sleep timing and greater sleep variability: An ecological momentary assessment study of youth at high and low familial risk for depression. *Journal of Adolescence*, 83, 122–130. <https://doi.org/10.1016/j.adolescence.2020.07.009>

Hamilton, J. L., Dalack, M., Boyd, S.I., Jorgensen, S., Dreier, M. J., Sarna, J., & Brent, D. A. (2024). Positive and negative social media experiences and proximal risk for suicidal ideation in adolescents. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 65 (12). <https://doi.org/10.1111/jcpp.13996>

Hamilton, J. L., Hutchinson, E., Evankovich, M. R., Ladouceur, C. D., & Silk, J. S. (2022). Daily and average associations of physical activity, social media use, and sleep among adolescent girls during the COVID -19 pandemic. *Journal of Sleep Research*, 32 (1). <https://doi.org/10.1111/jsr.13611>

Hampton, K. N., & Shin, I. (2022). Disconnection More Problematic for Adolescent Self-Esteem than Heavy Social Media Use: Evidence from Access Inequalities and Restrictive Media Parenting in Rural America. *Social Science Computer Review*, 41(2), 626-647. <https://doi.org/10.1177/08944393221117466>

2019	<i>PLOS ONE</i>	Hanley, S. M.	Watt, S. E., & Coventry, W
2015	<i>Neuroimage</i>	Harding, I. H.	Yücel, M., Harrison, B. J., Pantelis, C., & Breakspear, M.
2008	<i>Biological Psychiatry</i>	Hare, T. A.	Tottenham, N., Galvan, A., Voss, H. U., Glover, G. H., & Casey, B. J.
2022	<i>Journal of Adolescent Health</i>	Harness	Fitzgerald, Sullivan, & Selkie
2023	<i>Body Image</i>	Harriger	Wick, Sherline, Kunz

Taking a break: The effect of taking a vacation from Facebook and Instagram on subjective well-being
Effective connectivity within the frontoparietal control network differentiates cognitive control and working memory
Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task
Youth Insight About Social Media Effects on Well/Ill-Being and Self-Modulating Efforts
The body positivity movement is not all that positive on TikTok: A content analysis of body positive TikTok videos

Hanley, S. M., Watt, S. E., & Coventry, W. (2019). Taking a break: The effect of taking a vacation from Facebook and Instagram on subjective well-being. *PLOS ONE*, 14 (6), e0217743. <https://doi.org/10.1371/journal.pone.0217743>

Harding, I. H., Yücel, M., Harrison, B. J., Pantelis, C., & Breakspear, M. (2015). Effective connectivity within the frontoparietal control network differentiates cognitive control and working memory. *Neuroimage*, 106, 144–153. <https://doi.org/10.1016/j.neuroimage.2014.11.039>

Hare, T. A., Tottenham, N., Galvan, A., Voss, H. U., Glover, G. H., & Casey, B. J. (2008). Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task. *Biological Psychiatry*, 63(10), 927–934. <https://doi.org/10.1016/j.biopsych.2008.03.015>

Harness, J., Fitzgerald, K., Sullivan, H., & Selkie, E. (2022). Youth Insight About Social Media Effects on Well/Ill-Being and Self-Modulating Efforts. *Journal of Adolescent Health*, 71 (3). <https://doi.org/10.1016/j.jadohealth.2022.04.011>

Harriger, J. A., Wick, M. R., Sherline, C. M., & Kunz, A. L. (2023). The body positivity movement is not all that positive on TikTok: A content analysis of body positive TikTok videos. *Body Image*, 46, 256–264. <https://doi.org/10.1016/j.bodyim.2023.06.003>

2024	<i>Neuroscience</i>	Hart, G.	Burton, T. J., & Balleine, B. W.
2025	<i>PPM</i>	Hartanto	Kasturiratna, Kothari, Goh, Quek, & Maheed
2015	<i>The Guilford Press</i>	Harter, S.	N/A
2013	<i>The American journal of psychiatry</i>	Hasin, D. S.	O'Brien, C. P., Auriacombe, M., Borges, G., Bucholz, K., Budney, A., Compton, W. M., Crowley, T., Ling, W., Petry, N. M., Schuckit, M., & Grant, B. F.
2020	<i>Body Image</i>	Hawes	Zimmer-Gembeck, Campbell



What Role Does Striatal Dopamine Play in Goal-directed Action?

Investigating the Effect of Full and Partial Social Media Abstinence on Fear of Missing Out and Well-Being Outcomes: A Daily Diary Experimental Approach

The Construction of the Self: Developmental and Sociocultural Foundations (Second)

DSM-5 criteria for substance use disorders: recommendations and rationale

Unique associations of social media use and online appearance preoccupation with depression, anxiety, and appearance rejection sensitivity

Hart, G., Burton, T. J., & Balleine, B. W. (2024). What Role Does Striatal Dopamine Play in Goal-directed Action? *Neuroscience*, 546, 20–32.  
<https://doi.org/10.1016/j.neuroscience.2024.03.020>

Hartanto, A., Kasturiratna, K. T. A. S., Kothari, M., Goh, A. Y. H., Quek, F. Y. X., & Majeed, N. M. (2025). Investigating the effect of full and partial social media abstinence on fear of missing out and well-being outcomes: A daily diary experimental approach. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000583>

Harter, S. (2015). *The Construction of the Self: Developmental and Sociocultural Foundations* (Second). The Guilford Press.

Hasin, D. S., O'Brien, C. P., Auriacombe, M., Borges, G., Bucholz, K., Budney, A., Compton, W. M., Crowley, T., Ling, W., Petry, N. M., Schuckit, M., & Grant, B. F. (2013). DSM-5 criteria for substance use disorders: recommendations and rationale. *The American journal of psychiatry*, 170(8), 834–851. <https://doi.org/10.1176/appi.ajp.2013.12060782>

Hawes, T., Zimmer-Gembeck, M. J., & Campbell, S. M. (2020). Unique associations of social media use and online appearance preoccupation with depression, anxiety, and appearance rejection sensitivity. *Body Image*, 33 (33), 66–76.  
<https://doi.org/10.1016/j.bodyim.2020.02.010>

2017	<i>Social Science Computer Review</i>	Hawi, N. S.	Samaha, M.
2016	<i>Social Media + Society</i>	Hayes, R. A.	Carr, C. T. & Wohn, D. Y.
2018	<i>Social Media + Socie</i>	Hayes	Wesselmann, Carr
2025	<i>Computers in Human Behavior</i>	He, X.	Chen, Y., Zhang, W., & Li, C.-S. R.
2023	<i>Brain Science</i>	He, X.	Hu, J., Yin, M., Zhang, W., & Qiu, B.

The Relations Among Social Media Addiction, Self-Esteem, and Life Satisfaction in University Students

It's the audience: differences in social support across social media

When Nobody “Likes” You: Perceived Ostracism Through Paralinguistic Digital Affordances Within Social Media

Elevated loss sensitivity in the reward circuit in adolescents with video game but not social media addiction.

Screen Media Use Affects Subcortical Structures, Resting-State Functional Connectivity, and Mental Health Problems in Early Adolescence

Hawi, N. S., & Samaha, M. (2017). The Relations Among Social Media Addiction, Self-Esteem, and Life Satisfaction in University Students. *Social Science Computer Review*, 35(5), 576–586. <https://doi.org/10.1177/0894439316660340>

Hayes, R. A., Carr, C. T., & Wohn, D. Y. (2016). Its the audience: differences in social support across social media. *Social Media + Society*, 2(4). <https://doi.org/10.1177/2056305116678894>

Hayes, R. A., Wesselmann, E. D., & Carr, C. T. (2018). When Nobody “Likes” You: Perceived Ostracism Through Paralinguistic Digital Affordances Within Social Media. *Social Media + Society*, 4(3). <https://doi.org/10.1177/2056305118800309>

He, X., Chen, Y., Zhang, W., & Li, C.-S. R. (2025). Elevated loss sensitivity in the reward circuit in adolescents with video game but not social media addiction. *Computers in Human Behavior* 165 <https://doi.org/10.1016/j.chb.2025.108554>

He, X., Hu, J., Yin, M., Zhang, W., & Qiu, B. (2023). Screen Media Use Affects Subcortical Structures, Resting-State Functional Connectivity, and Mental Health Problems in Early Adolescence. *Brain Science* 13, 1452 <https://doi.org/10.3390/brainsci13101452>

2014	<i>Chronobiology Inter</i>	Heath	Sutherland, Bartel, Gradisar, Williamson, Lovato, Micic
2002	<i>Nature Reviews Neuroscience</i>	Heeger, D. J.	Ress, D.
2019	<i>Clinical Psychological Science</i>	Heffer, T.	Good, M., Daly, O., MacDonell, E., & Willoughby, T.
2019	<i>Clinical Psychological Science</i>	Heffer	Good, Daly, MacDonell, & Willoughby
2016	<i>Social Cognitive and Affective Neuroscience</i>	Heller, A. S.	Cohen, A. O., Dreyfuss, M. F. W., & Casey, B. J.

Does one hour of bright or short-wavelength filtered tablet screenlight have a meaningful effect on adolescents' pre-bedtime alertness, sleep, and daytime functioning?

What does fMRI tell us about neuronal activity?

The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al.

The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al. (2018)

Changes in cortico-subcortical and subcortico-subcortical connectivity impact cognitive control to emotional cues across development

Heath, M., Sutherland, C., Bartel, K., Gradisar, M., Williamson, P., Lovato, N., & Micic, G. (2014). Does one hour of bright or short-wavelength filtered tablet screenlight have a meaningful effect on adolescents' pre-bedtime alertness, sleep, and daytime functioning? *Chronobiology International*, 31 (4), 496–505.  
<https://doi.org/10.3109/07420528.2013.872121>

Heeger, D. J., & Ress, D. (2002). What does fMRI tell us about neuronal activity? *Nature Reviews Neuroscience*, 3(2), 142–151. <https://doi.org/10.1038/nrn730>

Heffer, T., Good, M., Daly, O., MacDonell, E., & Willoughby, T. (2019). The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al. (2018). *Clinical Psychological Science*, 7(3), 462–470.

Heffer, T., Good, M., Daly, O., MacDonell, E., & Willoughby, T. (2019). The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al. (2018). *Clinical Psychological Science*, 7(3), 462-470. <https://doi.org/10.1177/2167702618812727>

Heller, A. S., Cohen, A. O., Dreyfuss, M. F. W., & Casey, B. J. (2016). Changes in cortico-subcortical and subcortico-subcortical connectivity impact cognitive control to emotional cues across development. *Social Cognitive and Affective Neuroscience*, 11(12), 1910–1918.  
<https://doi.org/10.1093/scan/nsw097>



2017	<i>Computers in Human Behavior</i>	Hendrickse	Arpan, Clayton, Ridgway
2020	<i>Health Communication</i>	Hendrickse	Clayton, Ray, Ridgway, Secharan
2023	<i>Body Image</i>	Hepburn	Mulgrew
2009	<i>Frontiers in Human Neuroscience</i>	Herculano-Houzel, S.	N/A
2023	<i>Translational Issues in Psychological Science</i>	Hernandez	Charmaraman, Schaefer

Instagram and college women's body image:  
Investigating the roles of appearance-related  
comparisons and intrasexual competition

Experimental Effects of Viewing Thin and  
Plus-size Models in Objectifying and  
Empowering Contexts on Instagram

An experimental investigation of whether  
body-positive messaging on fitspiration and  
diverse images can improve state body image  
in women

The human brain in numbers: A linearly  
scaled-up primate brain.

Conceptualizing the Role of Racial–Ethnic  
Identity in U.S. Adolescent Social  
Technology Use and Well-Being

Hendrickse, J., Arpan, L. M., Clayton, R. B., & Ridgway, J. L. (2017). Instagram and college women's body image: Investigating the roles of appearance-related comparisons and intrasexual competition. *Computers in Human Behavior*, 74 (9), 92–100. <https://doi.org/10.1016/j.chb.2017.04.027>

Hendrickse, J., Clayton, R. B., Ray, E. C., Ridgway, J. L., & Secharan, R. (2020). Experimental Effects of Viewing Thin and Plus-Size Models in Objectifying and Empowering Contexts on Instagram. *Health Communication*, 36 (11), 1417–1425. <https://doi.org/10.1080/10410236.2020.1761077>

Hepburn, E., & Mulgrew, K. E. (2023). An experimental investigation of whether body-positive messaging on fitspiration and diverse images can improve state body image in women. *Body Image*, 47, 101642. <https://doi.org/10.1016/j.bodyim.2023.101642>

Herculano-Houzel, S. (2009). The human brain in numbers: A linearly scaled-up primate brain. *Frontiers in Human Neuroscience* 3 (Art. 31) 1-11, doi: 10.3389/neuro.09.031.200

Hernandez, J. M., Charmaraman, L., & Schaefer, H. S. (2023). Conceptualizing the role of racial–ethnic identity in U.S. adolescent social technology use and well-being. *Translational Issues in Psychological Science*, 9(3), 199–215. <https://doi.org/10.1037/tps0000372>

2021	<i>National Vital Statistics Reports</i>	Heron M.	N/A
2024	<i>European Child &amp; Adolescent Psychiatry</i>	Herrmann	Barkmann, Bindt, Hohmann, Fahrenkrug, & Becker-Hebly
2024	<i>Neuropsychopharmacology</i>	Herzberg, M. P.	Nielsen, A. N., Luby, J., & Sylvester, C. M.
2021	<i>The Lancet. Planetary health</i>	Hickman, C.	Marks, E., Pihkala, P., Clayton, S., Lewandowski, R. E., Mayall, E. E., Wray, B., Mellor, C., & van Susteren, L.
2020	<i>Sleep Medicine</i>	Hisler	Twenge, Krizan

Deaths: Leading Causes for 2018.

How social is social media for transgender and gender-diverse youth? Association of online social experiences with internalizing mental health problems

Measuring neuroplasticity in human development: the potential to inform the type and timing of mental health interventions

Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey

Associations between screen time and short sleep duration among adolescents varies by media type: evidence from a cohort study

Heron, M. (2021). Deaths: Leading Causes for 2018. *National Vital Statistics Reports* .70 (4). <https://www.cdc.gov/nchs/data/nvsr/nvsr70/nvsr70-04-508.pdf>

Herrmann, L., Barkmann, C., Bindt, C., Hohmann, S., Fahrenkrug, S., & Becker-Hebly, I. (2024). How social is social media for transgender and gender-diverse youth? Association of online social experiences with internalizing mental health problems. *European Child & Adolescent Psychiatry* . <https://doi.org/10.1007/s00787-024-02396-9>

Herzberg, M. P., Nielsen, A. N., Luby, J., & Sylvester, C. M. (2024). Measuring neuroplasticity in human development: the potential to inform the type and timing of mental health interventions. *Neuropsychopharmacology* , 50(1), 124–136. <https://doi.org/10.1038/s41386-024-01947-7>

Hickman, C., Marks, E., Pihkala, P., Clayton, S., Lewandowski, R. E., Mayall, E. E., Wray, B., Mellor, C., & van Susteren, L. (2021). Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey. *The Lancet. Planetary health*, 5(12), e863–e873. [https://doi.org/10.1016/S2542-5196\(21\)00278-3](https://doi.org/10.1016/S2542-5196(21)00278-3)

Hisler, G., Twenge, J. M., & Krizan, Z. (2020). Associations between screen time and short sleep duration among adolescents varies by media type: evidence from a cohort study. *Sleep medicine* , 66 , 92–102. <https://doi.org/10.1016/j.sleep.2019.08.007>

2016	<i>Social Media &amp; Society</i>	Ho	Lee, Liao
2025	<i>Journal of the Academy of Nutrition and Dietetics</i>	Hock	Vanderlee, White, Hammond
2001	<i>Journal of consulting and clinical psychology</i>	Hodgins, D. C.	Currie, S. R., & el-Guebaly, N.
2021	<i>New Media &amp; Society</i>	Hofer	Hargittai
2019	<i>Body Image</i>	Hogue	Mills

Social Network Sites, Friends, and Celebrities: The Roles of Social Comparison and Celebrity Involvement in Adolescents' Body Image Dissatisfaction
Body Weight Perceptions Among Youth From 6 Countries and Associations With Social Media Use: Findings From the International Food Policy Study
Motivational enhancement and self-help treatments for problem gambling
Online social engagement, depression, and anxiety among older adults
The effects of active social media engagement with peers on bodyimage in young women



Ho, S. S., Lee, E. W. J., & Liao, Y. (2016). Social Network Sites, Friends, and Celebrities: The Roles of Social Comparison and Celebrity Involvement in Adolescents' Body Image Dissatisfaction. *Social Media + Society*, 2(3). <https://doi.org/10.1177/2056305116664216>

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Hodgins, D. C., Currie, S. R., & el-Guebaly, N. (2001). Motivational enhancement and self-help treatments for problem gambling. *Journal of consulting and clinical psychology*, 69(1), 50–57. <https://doi.org/10.1037//0022-006x.69.1.50>

Hofer, M., & Hargittai, E. (2021). Online social engagement, depression, and anxiety among older adults. *New Media & Society*, 26(1), 113–130. <https://doi.org/10.1177/14614448211054377>

Hogue, J. V., & Mills, J. S. (2019). The effects of active social media engagement with peers on body image in young women. *Body Image*, 28 (1), 1–5. <https://doi.org/10.1016/j.bodyim.2018.11.002>

2017	<i>International Journal of Eating Disorders</i>	Holland	Tiggemann
2022	<i>Annual review of public health</i>	Holt-Lunstad J.	N/A
2015	<i>Perspectives on Psychological Science</i>	Holt-Lunstad, J.	Smith, T. B., Baker, M., Harris, T., & Stephenson, D.
2017	<i>Trends in Neurosciences</i>	Hoops, D.	N/A
1998	<i>Journal of Chemical Ecology</i>	Hoover, K.	Kishida, K. T., DiGiorgio, L. A., Workman, J., Alaniz, S. A., Hammock, B. D., & Duffey, S. S.

“Strong Beats Skinny Every Time”:  
Disordered Eating and Compulsive Exercise  
in Women Who Post Fitspiration on  
Instagram

Social Connection as a Public Health Issue:  
The Evidence and a Systemic Framework for  
Prioritizing the "Social" in Social  
Determinants of Health

Loneliness and social isolation as risk factors  
for mortality: a meta-analytic review

Making Dopamine Connections in  
Adolescence

Inhibition of Baculoviral Disease by Plant-  
Mediated Peroxidase Activity and Free  
Radical Generation.

Holland, G., & Tiggemann, M. (2017). "Strong beats skinny every time": Disordered eating and compulsive exercise in women who post fitspiration on Instagram. *The International journal of eating disorders* , 50 (1), 76–79. <https://doi.org/10.1002/eat.22559>

Holt-Lunstad J. (2022). Social Connection as a Public Health Issue: The Evidence and a Systemic Framework for Prioritizing the "Social" in Social Determinants of Health. *Annual review of public health*, 43, 193–213. <https://doi.org/10.1146/annurev-publhealth-052020-110732>

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2024	<i>International Journal of Molecular Sciences</i>	Hou, G.	Hao, M., Duan, J., & Han, M.-H.
2018	<i>Journal of Youth and Adolescence</i>	Houghton	Lawrence, Hunter, Rosenberg, Zadow, Wood, Shilton
1988	<i>Science</i>	House, J. S.	Landis, K. R. & Umberson, D.
2017	<i>Body Image</i>	Howard	Heron, MacIntyre, Myers, Everhart
2022	<i>Computers in Human Behavior Reports</i>	Hristova D.	Jovicic S, Göbl B, De Freitas S, Slunecko T.

The formation and function of the VTA dopamine system

Reciprocal Relationships between Trajectories of Depressive Symptoms and Screen Media Use during Adolescence

Social relationships and health

Is use of social networking sites associated with young women's body dissatisfaction and disordered eating? A look at Black-White racial differences

"Why did we lose our snapchat streak?"

Hou, G., Hao, M., Duan, J., & Han, M.-H. (2024). The formation and function of the VTA dopamine system. *International Journal of Molecular Sciences* , 25(7).  
<https://doi.org/10.3390/ijms25073875>

Houghton, S., Lawrence, D., Hunter, S. C., Rosenberg, M., Zadow, C., Wood, L., & Shilton, T. (2018). Reciprocal Relationships between Trajectories of Depressive Symptoms and Screen Media Use during Adolescence. *Journal of Youth & Adolescence* , 47 (11), 2453–2467.  
<https://doi.org/10.1007/s10964-018-0901-y>

House, J. S., Landis, K. R., & Umberson, D. (1988). Social relationships and health. *Science* , 241(4865), 540–545. <https://doi.org/10.1126/science.3399889>

Howard, L. M., Heron, K. E., MacIntyre, R. I., Myers, T. A., & Everhart, R. S. (2017). Is use of social networking sites associated with young women’s body dissatisfaction and disordered eating? A look at Black–White racial differences. *Body Image* , 23 , 109–113.  
<https://doi.org/10.1016/j.bodyim.2017.08.008>

Hristova, D., Jovicic, S., Göbl, B., de Freitas, S., & Slunecko, T. (2022). “Why did we lose our Snapchat Streak?”: Social media gamification and metacommunication. *Computers in Human Behavior Reports* , 5 , Article 100172. <https://doi.org/10.1016/j.chbr.2022.100172>

2021	<i>Computers &amp; Education</i>	Hu	Yu
2020	<i>Media Psychology</i>	Huang	Peng, Ahn
2024	<i>Current Psychology</i>	Hughes-Nind	Wang, Zhang, Tibber
2024	<i>Journal of Affective Disorders</i>	Hugues, J. C.	Nogueira-López, A., Flayelle, M., von Hammerstein, C., & Billieux, J.
2015	<i>International Journal of Eating Disorders</i>	Hummel	Smith



The effects of ICT-based social media on adolescents' digital reading performance: A longitudinal study of PISA 2009, PISA 2012, PISA 2015 and PISA 2018

When media become the mirror: a meta-analysis on media and body image

The association between motivations for social media use, stress and academic attainment.

Journal of Affective Disorders

Ask and You Shall Receive: Desire and Receipt of Feedback via Facebook Predicts Disordered Eating Concerns

Hu, J., & Yu, R. (2021). The effects of ICT-based social media on adolescents' digital reading performance: A longitudinal study of PISA 2009, PISA 2012, PISA 2015 and PISA 2018. *Computers & Education* , 175 , 104342. <https://doi.org/10.1016/j.compedu.2021.104342>

Huang, Q., Peng, W., & Ahn, S. (2020). When media become the mirror: a meta-analysis on media and body image. *Media Psychology* , 24 (4), 437–489. <https://doi.org/10.1080/15213269.2020.1737545>

Hughes-Nind, J., Wang, M., Zhang, C., & Tibber, M. S. (2024). The association between motivations for social media use, stress and academic attainment. *Current Psychology* . <https://doi.org/10.1007/s12144-024-06392-9>

Hugues, J. C., Nogueira-López, A., Flayelle, M., von Hammerstein, C., & Billieux, J. (2024). Spilling the tea about milk tea addiction—A reply to Qu et al. (2023). *Journal of Affective Disorders*, 346, 133–134. <https://doi.org/10.1016/j.jad.2023.10.155>

Hummel, A. C., & Smith, A. R. (2015). Ask and you shall receive: desire and receipt of feedback via Facebook predicts disordered eating concerns. *The International journal of eating disorders* , 48 (4), 436–442. <https://doi.org/10.1002/eat.22336>

2019	<i>Development and Psychopathology</i>	Humphreys, K.L.	Gabard-Durnam, L., Goff, B., Telzer, E.H., Flannery, J., Gee, D.G., Park, V., Lee, S.S., & Tottenham, N.
2015	<i>Developmental Psychobiology</i>	Humphreys, K.L.	Lee, S.S., Telzer, E.H., Gabard-Durnam, L.J., Goff, B., Flannery, J., & Tottenham, N.
2016	<i>Emotion</i>	Humphreys, K.L.	Telzer, E.H., Flannery, J., Goff, B., Gabard-Durnam, L., Gee, D.G., Lee, S.S., & Tottenham, N.
2018	<i>Journal of Social and Clinical Psychology.</i>	Hunt M.	Young J, Marx R, Lipson C.
2018	<i>Journal of Social and Clinical Psychology</i>	Hunt, M. G.	Marx, R., Lipson, C., & Young, J.

Friendship and social functioning following early institutional rearing: The role of ADHD symptoms

Exploration-exploitation strategy is dependent on early experience

Risky decision-making from childhood through adulthood: Contributions of learning and sensitivity to negative feedback

No More FOMO: Limiting Social Media Decreases Loneliness and Depression.

No more FOMO: limiting social media decreases loneliness and depression

Humphreys, K.L., Gabard-Durnam, L., Goff, B., Telzer, E.H., Flannery, J., Gee, D.G., Park, V., Lee, S.S., & Tottenham, N. (2019). Friendship and social functioning following early institutional rearing: The role of ADHD symptoms. *Development and Psychopathology* , 31, 1477-1487. <https://doi.org/10.1017/S0954579418001050>

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Hunt M, Young J, Marx R, Lipson C. (2018). No More FOMO: Limiting Social Media Decreases Loneliness and Depression. *Journal of Social and Clinical Psychology*. 37. 751-768.

Hunt, M. G., Marx, R., Lipson, C., & Young, J. (2018). No more FOMO: limiting social media decreases loneliness and depression. *Journal of Social and Clinical Psychology* , 37(10), 751–768. <https://doi.org/10.1521/jscp.2018.37.10.751>

2018	<i>Journal of Social and Clinical Psychology</i>	Hunt, M. G.	Marx, R., Lipson, C., & Y
2023	<i>Journal of Social and Clinical Psychology</i>	Hunt, M. G.	Xu, E., Fogelson, A., & Ru
2021	<i>Journal of Social and Clinical Psychology</i>	Hunt, M.	All, K., Burns, B., & Li, K
1979	<i>Brain Research</i>	Huttenlocher, P. R.	N/A
2015	<i>BMJ Open</i>	Hysing, M.	Pallesen, S., Stormark, K. M., Jakobsen, R., Lundervold, A. J., & Sivertsen, B.

No More FOMO: Limiting Social Media Decreases Loneliness and Depression
Follow Friends One Hour a Day: Limiting Time on Social Media and Muting Strangers Improves Well-Being
Too Much of a Good Thing: Who We Follow, What We Do, And How Much Time We Spend on Social Media Affects Well-Being
Synaptic density in human frontal cortex - developmental changes and effects of aging
Sleep and use of electronic devices in adolescence: results from a large population-based study

Hunt, M. G., Marx, R., Lipson, C., & Young, J. (2018). No More FOMO: Limiting Social Media Decreases Loneliness and Depression. *Journal of Social and Clinical Psychology* , 37 (10), 751–768. <https://doi.org/10.1521/jscp.2018.37.10.751>

Hunt, M. G., Xu, E., Fogelson, A., & Rubens, J. (2023). Follow Friends One Hour a Day: Limiting Time on Social Media and Muting Strangers Improves Well-Being. *Journal of Social and Clinical Psychology* , 42 (3), 187–213. <https://doi.org/10.1521/jscp.2023.42.3.187>

Hunt, M., All, K., Burns, B., & Li, K. (2021). Too Much of a Good Thing: Who We Follow, What We Do, And How Much Time We Spend on Social Media Affects Well-Being. *Journal of Social and Clinical Psychology* , 40 (1), 46–68. <https://doi.org/10.1521/jscp.2021.40.1.46>

Huttenlocher, P. R. (1979). Synaptic density in human frontal cortex - developmental changes and effects of aging. *Brain Research* , 163(2), 195–205. [https://doi.org/10.1016/0006-8993\(79\)90349-4](https://doi.org/10.1016/0006-8993(79)90349-4)

Hysing, M., Pallesen, S., Stormark, K. M., Jakobsen, R., Lundervold, A. J., & Sivertsen, B. (2015). Sleep and use of electronic devices in adolescence: results from a large population-based study. *BMJ Open* , 5(1), e006748. <https://doi.org/10.1136/bmjopen-2014-006748>



2017	<i>Nature Communications</i>	Insel, C.	Kastman, E. K., Glenn, C. R., & Somerville, L. H.
2019	<i>Neuropsychopharmacology</i>	Ioannidis, K.	Hook, R., Wickham, K., Grant, J. E., & Chamberlain, S. R.
2012	<i>Obesity facts</i>	Iozzo, P.	Guiducci, L., Guzzardi, M. A., & Pagotto, U.
2019	N/A	Ito, M.	Martin, C., Rafalow, M., Tekinbas, K., Wortman, A., & Pfister, R.
2020	<i>Journal of affective disorders</i>	Ivie, E. J.	Pettitt, A., Moses, L. J., & Allen, N. B.

Development of corticostriatal connectivity constrains goal-directed behavior during adolescence
Impulsivity in Gambling Disorder and problem gambling: A meta-analysis.
Brain PET imaging in obesity and food addiction: current evidence and hypothesis. Obesity facts, 5(2), 155–164. <a href="https://doi.org/10.1159/000338328">https://doi.org/10.1159/000338328</a>
Online Affinity Networks as Contexts for Connected Learning In CAMBRIDGE HANDBOOK OF MOTIVATION AND LEARNING
A meta-analysis of the association between adolescent social media use and depressive symptoms

Insel, C., Kastman, E. K., Glenn, C. R., & Somerville, L. H. (2017). Development of corticostriatal connectivity constrains goal-directed behavior during adolescence. *Nature Communications* , 8 (1). <https://doi.org/10.1038/s41467-017-01369-8>

Ioannidis, K., Hook, R., Wickham, K., Grant, J. E., & Chamberlain, S. R. (2019). Impulsivity in Gambling Disorder and problem gambling: A meta-analysis. *Neuropsychopharmacology*, 44(8), 1354–1361. <https://doi.org/10.1038/s41386-019-0393-9>

Iozzo, P., Guiducci, L., Guzzardi, M. A., & Pagotto, U. (2012). Brain PET imaging in obesity and food addiction: current evidence and hypothesis. *Obesity facts*, 5(2), 155–164. <https://doi.org/10.1159/000338328>

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Ivie, E. J., Pettitt, A., Moses, L. J., & Allen, N. B. (2020). A meta-analysis of the association between adolescent social media use and depressive symptoms. *Journal of affective disorders* , 275 , 165–174. <https://doi.org/10.1016/j.jad.2020.06.014>

1997	<i>Movement Disorders</i>	Jaber, M.	Jones, S., Giros, B., & Caron, M. G.
2025	<i>Scientific Reports</i>	Janssen, L. H. C.	Valkenburg, P. M., Keijsers, L., & Beyens, I.
2023	<i>Computers in Human Behavior</i>	Jarman	Fuller-Tyskiewicz, McLean, Rodgers, Slater, Gordon, Paxton
2021	<i>Journal of Youth and Adolescence</i>	Jarman	Marques, McLean, Slater, Paxton
2022	<i>Social Psychiatry and Psychiatric Epidemiology</i>	Jarman	McLean, Paxton, Sibley, & Marques

The dopamine transporter: A crucial component regulating dopamine transmission.
A harsher reality for adolescents with depression on social media
Who's most at risk of poor body image? Identifying subgroups of adolescent social media users over the course of a year
Motivations for Social Media Use: Associations with Social Media Engagement and Body Satisfaction and Well-Being among Adolescents
Examination of the temporal sequence between social media use and well-being in a representative sample of adults

Jaber, M., Jones, S., Giros, B., & Caron, M. G. (1997). The dopamine transporter: A crucial component regulating dopamine transmission. *Movement Disorders*, 12(5), 629–633.  
<https://doi.org/10.1002/mds.870120502>

Janssen, L. H. C., Valkenburg, P. M., Keijsers, L., & Beyens, I. (2025). A harsher reality for adolescents with depression on social media. *Scientific Reports*, 15 (1).  
<https://doi.org/10.1038/s41598-025-89762-y>

Jarman, H. K., Fuller-Tyszkiewicz, M., McLean, S. A., Rodgers, R. F., Slater, A., Gordon, C. S., & Paxton, S. J. (2023). Who’s most at risk of poor body image? Identifying subgroups of adolescent social media users over the course of a year. *Computers in Human Behavior*, 147, 107823–107823. <https://doi.org/10.1016/j.chb.2023.107823>

Jarman, H. K., Marques, M. D., McLean, S. A., Slater, A., & Paxton, S. J. (2021). Motivations for Social Media Use: Associations with Social Media Engagement and Body Satisfaction and Well-Being among Adolescents. *Journal of Youth and Adolescence*, 50 (12).  
<https://doi.org/10.1007/s10964-020-01390-z>

Jarman, H. K., McLean, S. A., Paxton, S. J., Sibley, C. G., & Marques, M. D. (2022). Examination of the temporal sequence between social media use and well-being in a representative sample of adults. *Social Psychiatry and Psychiatric Epidemiology*.  
<https://doi.org/10.1007/s00127-022-02363-2>

2021	<i>New Media &amp; Society</i>	Jarman	McLean, Slater, Marques, Paxton
2015	<i>Journal of Psychiatry and Neuroscience</i>	Jaworska, N. & MacQueen	MacQueen, G.
2019	<i>Clinical Psychological Science</i>	Jensen	George, Russell, Piontak, & Odgers
2018	<i>Computers in Human Behavior</i>	Jin	Ryu, Muqaddam
2016	<i>Journal of Pediatric</i>	Petrisko, Chasens	Petrisko, Chasens

Direct and indirect relationships between satisfaction: A prospective study among adolescent boys and girls
Adolescence as a unique developmental period
Young Adolescents' Digital Technology Use and Mental Health Symptoms: Little Evidence of Longitudinal or Daily Linkages
Dieting 2.0!: Moderating effects of Instagrammers' body image and Instafame on other Instagrammers' dieting intention
Adolescent Sleep and the Impact of Technology Use Before Sleep on Daytime Function



Jarman, H. K., McLean, S. A., Slater, A., Marques, M. D., & Paxton, S. J. (2021). Direct and indirect relationships between social media use and body satisfaction: A prospective study among adolescent boys and girls. *New Media & Society*, 26(1), 292-312. <https://doi.org/10.1177/14614448211058468>

Jaworska, N. & MacQueen, G. (2015). Adolescence as a unique developmental period. *Journal of Psychiatry and Neuroscience*; 40(5):291-293.

Jensen, M., George, M. J., Russell, M. R., & Odgers, C. L. (2019). Young Adolescents' Digital Technology Use and Mental Health Symptoms: Little Evidence of Longitudinal or Daily Linkages. *Clinical Psychological Science*, 7(6), 1416-1433. <https://doi.org/10.1177/2167702619859336>

Jin, S. V., Ryu, E., & Muqaddam, A. (2018). Dieting 2.0!: Moderating effects of Instagrammers' body image and Instafame on other Instagrammers' dieting intention. *Computers in Human Behavior*, 87, 224–237. <https://doi.org/10.1016/j.chb.2018.06.001>

Johansson, A. E. E., Petrisko, M. A., & Chasens, E. R. (2016). Adolescent Sleep and the Impact of Technology Use Before Sleep on Daytime Function. *Journal of Pediatric Nursing*, 31 (5), 498–504. <https://doi.org/10.1016/j.pedn.2016.04.004>

2018	<i>Developmental Cognitive Neuroscience</i>	Johnson, C.L.	Telzer, E.H.
2009	<i>The Journal of Adolescent Health</i>	Johnson, S. B.	Blum, R. W. & Giedd, J. N.
2022	<i>Personality and Individual Differences</i>	Jones	Hook, Podduturi, McKeen, Beitzell, Liss
2019	<i>Addiction</i>	Jones, A.	Remmerswaal, D., Verveer, I., Robinson, E., Franken, I. H. A., Wen, C. K. F., & Field, M.
2024	<i>Social Science &amp; Medicine</i>	Jones	Rudaizky, Mahalingham, & Clarke

Magnetic resonance elastography for examining developmental changes in the mechanical properties of the brain
Adolescent maturity and the brain: the promise and pitfalls of neuroscience research in adolescent health policy
Mindfulness as a mediator in the relationship between social media engagement and depression in young adults
Compliance with ecological momentary assessment protocols in substance users: a meta-analysis
Investigating the links between objective social media use, attentional control, and psychological distress

Johnson, C.L., & Telzer, E.H. (2018). Magnetic resonance elastography for examining developmental changes in the mechanical properties of the brain. *Developmental Cognitive Neuroscience* , 33, 176-181. <https://doi.org/10.1016/j.dcn.2017.08.010>. Special Issue on Methodological Challenges in Developmental Neuroimaging.

Johnson, S. B., Blum, R. W., & Giedd, J. N. (2009). Adolescent maturity and the brain: the promise and pitfalls of neuroscience research in adolescent health policy. *The Journal of Adolescent Health* , 45(3), 216–221. <https://doi.org/10.1016/j.jadohealth.2009.05.016>

Jones, A., Hook, M., Podduturi, P., McKeen, H., Beitzell, E., & Liss, M. (2022). Mindfulness as a mediator in the relationship between social media engagement and depression in young adults. *Personality and Individual Differences* , 185 (185), 111284. <https://doi.org/10.1016/j.paid.2021.111284>

Jones, A., Remmerswaal, D., Verveer, I., Robinson, E., Franken, I. H. A., Wen, C. K. F., & Field, M. (2019). Compliance with ecological momentary assessment protocols in substance users: a meta-analysis. *Addiction* , 114(4), 609–619. <https://doi.org/10.1111/add.14503>

Jones, C. N., Patrick J.F. Clarke, Rudaizky, D., & Tamsin Mahalingham. (2024). Investigating the Links Between Objective Social Media Use, Attentional Control, and Psychological Distress. *Social Science & Medicine* , 361 , 117400–117400. <https://doi.org/10.1016/j.socscimed.2024.117400>

2024	<i>medRxiv.</i>	Jones, R. E.	Sands, L. P., Trattner, J. D., Jiang, A., Johnson, C. K., Farkas, E. B., Gligorovic, P. V., Douglas, H. E., Ramos, R., & Kishida, K. T.
2025	<i>Behaviour &amp; Information Technology</i>	Jones	Reppa, Reed
2020	<i>Frontiers for Young Minds</i>	Jorgensen, N. A.	Telzer, E. H.
2025	<i>Developmental Psychology</i>	Jorgensen, N.A.†.	Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2020	<i>Frontiers for Young Minds</i>	Jorgensen, N.A†.	Telzer, E.H.

Computational Phenotyping of Treatment-Resistant Depression prior to Electroconvulsive Therapy

Social media dependency, depression and self-esteem for cymraeg and english-speaking adolescents

Who Does Your Brain Think You Are? The Science of Thinking About Yourself

Early adolescents' ethnic-racial identity in relation to longitudinal growth in perspective taking

Who does your brain think you are? The neuroscience of thinking about yourself

Jones, R. E., Sands, L. P., Trattner, J. D., Jiang, A., Johnson, C. K., Farkas, E. B., Gligorovic, P. V., Douglas, H. E., Ramos, R., & Kishida, K. T. (2024A). Computational Phenotyping of Treatment-Resistant Depression prior to Electroconvulsive Therapy 2024.10.02.24314360). medRxiv. <https://doi.org/10.1101/2024.10.02.24314360>

Jones, R., Reppa, I., & Reed, P. (2025). Social media dependency, depression and self-esteem for Cymraeg and English-speaking adolescents. *Behaviour & Information Technology*, 1–14. <https://doi.org/10.1080/0144929X.2025.2455395>

Jorgensen, N. A., & Telzer, E. H. (2020, November 2). Who Does Your Brain Think You Are? The Science of Thinking About Yourself. *Frontiers for Young Minds*.

Jorgensen, N.A.†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2025). Early adolescents' ethnic-racial identity in relation to longitudinal growth in perspective taking. *Developmental Psychology*, 61, 105-112. <https://doi.org/10.1037/dev0001861>

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2023	<i>Social Cognitive Affective Neuroscience</i>	Jorgensen, N.A†.	Muscatell, K.A., McCormick, E.M†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2014	<i>European Journal of Psychology of Education</i>	Jozsa, K.	Morgan, G. A.
2022	<i>Computers in Human Behavior</i>	Jung, Barron, Lee, Swami	Jung, Barron, Lee, Swami
2024	<i>International Journal of Adolescence and Youth</i>	Käcko	Hemberg, & Nyman- Kurkiala
2020	<i>Computers in Human Behavior</i>	Kahlow	Coker, & Richards



Neighborhood disadvantage, race, and neural sensitivity to social threat and reward among adolescents

Developmental changes in cognitive persistence and academic achievement between grade 4 and grade 8

Social media usage and body image:  
Examining the mediating roles of internalization of appearance ideals and social comparisons in young women

The double-sided coin of loneliness and social media – young adults' experiences and perceptions

The multimodal nature of Snapchat in close relationships: Toward a social presence-based theoretical framework

Jorgensen, N.A†., Muscatell, K.A., McCormick, E.M†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neighborhood disadvantage, race, and neural sensitivity to social threat and reward among adolescents. *Social Cognitive Affective Neuroscience* , 18, nsac053. <https://doi.org/10.1093/scan/nsac053>

Jozsa, K., & Morgan, G. A. (2014). Developmental changes in cognitive persistence and academic achievement between grade 4 and grade 8. *European Journal of Psychology of Education* , 29(3), 521–535. <https://doi.org/10.1007/s10212-014-0211-z>

Jung, J., Barron, D., Lee, Y.-A., & Swami, V. (2022). Social media usage and body image: Examining the mediating roles of internalization of appearance ideals and social comparisons in young women. *Computers in Human Behavior* , 135 , 107357. <https://doi.org/10.1016/j.chb.2022.107357>

Käcko, E., Hemberg, J., & Nyman-Kurkiala, P. (2024). The double-sided coin of loneliness and social media – young adults’ experiences and perceptions. *International Journal of Adolescence and Youth* , 29 (1). <https://doi.org/10.1080/02673843.2024.2306889>

Kahlow, J. A., Coker, M. C., & Richards, R. (2020). The multimodal nature of Snapchat in close relationships: Toward a social presence-based theoretical framework. *Computers in Human Behavior* , 111 , 106409. <https://doi.org/10.1016/j.chb.2020.106409>

2000	<i>McGraw-Hill New York</i>	Kandell, E.	et. al.
2022	<i>Psychological Medicine</i>	Kandola	Owen, Dunstan, & Hallgren
2023	<i>Scientific reports</i>	Kang, Y.	Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B.
2023	<i>Scientific Reports</i>	Kang, Y.	Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B.
2025	<i>New Media &amp; Society</i>	Kaňková	Stevic, Binder, & Matthes

Principles of neural science (Vol. 4). McGraw-hill New York
Prospective relationships of adolescents' screen-based sedentary behaviour with depressive symptoms: the Millennium Cohort Study
Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life
Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life
Time to BeReal! Exploring users' well-being in relation to BeReal use duration

Kandell, E. et. al. (2000). Principles of neural science (Vol. 4). McGraw-hill New York

Kandola, A., Owen, N., Dunstan, D. W., & Hallgren, M. (2022). Prospective relationships of adolescents' screen-based sedentary behaviour with depressive symptoms: the Millennium Cohort Study. *Psychological Medicine* , 52 (15), 3531–3539. doi:10.1017/S0033291721000258

Kang, Y., Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B. (2023). Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life. *Scientific reports*, 13(1), 20501. <https://doi.org/10.1038/s41598-023-46040-z>

Kang, Y., Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B. (2023). Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life. *Scientific Reports* , 13(1), 20501. <https://doi.org/10.1038/s41598-023-46040-z>

Kaňková, J., Stevic, A., Binder, A., & Matthes, J. (2025). Time to BeReal! Exploring users' well-being in relation to BeReal use duration. *New Media & Society*, 0(0). <https://doi.org/10.1177/14614448251317689>

2022	<i>Developmental Cognitive Neuroscience</i>	Karan, M.	Lazar, L., Leschak, C.J., Galvan, A., Eisenberger, N.I., Uy, J.P., Dieffenbach, M.C., Crone, E.A., Telzer, E.H., & Fuligni, A.J.
2024	<i>Journal of Experimental Psychology</i>	Mikami	Khalis, & Karasavva
2015	<i>Journal of Behavioral Addictions</i>	Kardefelt-Winther, D.	N/A
2017	<i>Addiction</i>	Kardefelt-Winther, D.	Heeren, A., Schimmenti, A., van Rooij, A., Maurage, P., Carras, M., Edman, J., Blaszczyński, A., Khazaal, Y., & Billieux, J.
2020	<i>Cureus</i>	Karim F.	Oyewande AA, Abdalla LF, Chaudhry Ehsanullah R, Khan S.

Giving to others and neural processing during adolescence

Logging Out or Leaning In? Social Media Strategies for Enhancing Well-Being

Commentary on: Are we overpathologizing everyday life? A tenable blueprint for behavioral addiction research: Problems with atheoretical and confirmatory research approaches in the study of behavioral addictions.

How can we conceptualize behavioural addiction without pathologizing common behaviours?

Social Media Use and Its Connection to Mental Health: A Systematic Review.

Karan, M., Lazar, L., Leschak, C.J., Galvan, A., Eisenberger, N.I., Uy, J.P., Dieffenbach, M.C., Crone, E.A., Telzer, E.H., & Fuligni, A.J. (2022). Giving to others and neural processing during adolescence. *Developmental Cognitive Neuroscience* , 56, 101128. <https://doi.org/10.1016/j.dcn.2022.101128>

Karasavva, V., Khalis, A., & Mikami, A. (2024). Logging Out or Leaning In? Social Media Strategies for Enhancing Well-Being. *Journal of Experimental Psychology: General* . <https://doi.org/10.1037/xge0001668>

Kardefelt-Winther, D. (2015). Commentary on: Are we overpathologizing everyday life? A tenable blueprint for behavioral addiction research: Problems with atheoretical and confirmatory research approaches in the study of behavioral addictions. *Journal of Behavioral Addictions*, 4(3), 126–129. <https://doi.org/10.1556/2006.4.2015.019>

Kardefelt-Winther, D., Heeren, A., Schimmenti, A., van Rooij, A., Maurage, P., Carras, M., Edman, J., Blaszczyński, A., Khazaa, Y., & Billieux, J. (2017). How can we conceptualize behavioural addiction without pathologizing common behaviours? *Addiction*, 112(10), 1709–1715. <https://doi.org/10.1111/add.13763>

Karim, F., Oyewande, A. A., Abdalla, L. F., Chaudhry Ehsanullah, R., & Khan, S. (2020). Social Media Use and Its Connection to Mental Health: A Systematic Review. *Cureus* , 12 (6), e8627. <https://doi.org/10.7759/cureus.8627>



2017	<i>Psychology of Women Quarterly</i>	Karsay	Knoll, Matthes
2020	<i>International Journal of Adolescence and Youth.</i>	Keles B.	McCrae N, Grealish A.
2020	<i>International Journal of Adolescence and Youth</i>	Keles, B.	McCrae, N., & Grealish, A.
2020	<i>Computers in Human Behavior</i>	Kelly	Keaten, Millette
2020	<i>Computets in Human Behavior</i>	Kereste	Stulhofer

Sexualizing Media Use and Self-Objectification: A Meta-Analysis
A systematic review: the influence of social media on depression, anxiety and psychological distress in adolescents.
A systematic review: The influence of social media on depression, anxiety and psychological distress in adolescents.
Seeking safer spaces: The mitigating impact of young adults' Facebook and Instagram audience expectations and posting type on fear of negative evaluation
Adolescents' online social network use and life satisfaction: A latent growth curve modeling approach

Karsay, K., Knoll, J., & Matthes, J. (2017). Sexualizing Media Use and Self-Objectification. *Psychology of Women Quarterly*, 42 (1), 9–28.  
<https://doi.org/10.1177/0361684317743019>

Keles B, McCrae N, Grealish A. (2020). A systematic review: the influence of social media on depression, anxiety and psychological distress in adolescents, *International Journal of Adolescence and Youth*, 25:1, 79-93.

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Kelly, L., Keaten, J. A., & Millette, D. (2020). Seeking Safer Spaces: The Mitigating Impact of Young Adults' Facebook and Instagram Audience Expectations and Posting Type on Fear of Negative Evaluation. *Computers in Human Behavior*, 106333.  
<https://doi.org/10.1016/j.chb.2020.106333>

Keresteš, G., & Štulhofer, A. (2020). Adolescents' online social network use and life satisfaction: A latent growth curve modeling approach. *Computers in Human Behavior*, 104, 106187. <https://doi.org/10.1016/j.chb.2019.106187>

2021	<i>Journal of Neurochemistry</i>	Kesner, A. J.	Lovinger, D. M.
2020	<i>Economics of Education Review</i>	Kessel, D.	Hardardottir, H. L. & Tyrefors, B.
2008	<i>Psychological medicine</i>	Kessler, R. C.	Hwang, I., LaBrie, R., Petukhova, M., Sampson, N. A., Winters, K. C., & Shaffer, H. J.
2015	<i>Pediatrics</i>	Keyes, K. M.	Maslowsky, J., Hamilton, A., & Schulenberg, J.
2023	<i>Journal of Child Psychology &amp; Psychiatry</i> .	Keyes, K. M.	Platt, J. M.

Cannabis use, abuse, and withdrawal:  
Cannabinergic mechanisms, clinical, and  
preclinical findings.

The impact of banning mobile phones in  
Swedish secondary schools

DSM-IV pathological gambling in the  
National Comorbidity Survey Replication

The great sleep recession: changes in sleep  
duration among US adolescents, 1991-2012

Annual Research Review: Sex, Gender, and  
Internalizing Conditions Among Adolescents  
in the 21st Century - Trends, Causes,  
Consequences.

Kesner, A. J., & Lovinger, D. M. (2021). Cannabis use, abuse, and withdrawal: Cannabinergic mechanisms, clinical, and preclinical findings. *Journal of Neurochemistry*, 157(5), 1674–1696. <https://doi.org/10.1111/jnc.15369>

Kessel, D., Hardardottir, H. L., & Tyrefors, B. (2020). The impact of banning mobile phones in Swedish secondary schools. *Economics of Education Review*, 77, 102009. <https://doi.org/10.1016/j.econedurev.2020.102009>

Kessler, R. C., Hwang, I., LaBrie, R., Petukhova, M., Sampson, N. A., Winters, K. C., & Shaffer, H. J. (2008). DSM-IV pathological gambling in the National Comorbidity Survey Replication. *Psychological medicine*, 38(9), 1351–1360. <https://doi.org/10.1017/S0033291708002900>

Keyes, K. M., Maslowsky, J., Hamilton, A., & Schulenberg, J. (2015). The great sleep recession: changes in sleep duration among US adolescents, 1991-2012. *Pediatrics*, 135(3), 460–468. <https://doi.org/10.1542/peds.2014-2707>

Keyes, K. M., Platt, J. M. (2023). Annual Research Review: Sex, Gender, and Internalizing Conditions Among Adolescents in the 21st Century - Trends, Causes, Consequences. *Journal of Child Psychology & Psychiatry*. 65(4), 384-407. <https://acamh.onlinelibrary.wiley.com/doi/10.1111/jcpp.13864>

2024	<i>Journal of Adolescence</i>	Khan	Thomas, Karatela, Morawska, & Werner-Seidler
2024	<i>Journal of Adolescence</i>	Khan	Khan, Thomas, Karatela, Morawska, Werner-Seidler
2025	<i>Health Communication</i>	Kharkwal, A.	Clayton, R. B., Park, J., Ridgway, J. L., & Merle, P.
2015	<i>Neuron</i>	Kidd, C.	Hayden, B. Y.
2024	<i>Affective Science</i>	Kilic	McKone, Stout, Grad-Frellich, Ladouceur, Choukas-Bradley, & Silk

Intense and problematic social media use and sleep difficulties of adolescents in 40 countries.

Intense and problematic social media use and sleep difficulties of adolescents in 40 countries

Are Instagram Gym Advertisements Working Out? An Experimental Study of Model Body-Size and Slogan-Type

The Psychology and Neuroscience of Curiosity.

Overthinking over Screens: Girls Ruminates More After Negative Social Media Interactions with Peers Compared to In-Person Interactions



Khan, A., Thomas, G., Karatela, S., Morawska, A., & Werner-Seidler, A. (2024). Intense and problematic social media use and sleep difficulties of adolescents in 40 countries. *Journal of Adolescence (London, England. Print)*, 96 (5). <https://doi.org/10.1002/jad.12321>

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Kharkwal, A., Clayton, R. B., Park, J., Ridgway, J. L., & Merle, P. (2025). Are Instagram Gym Advertisements Working Out? An Experimental Study of Model Body-Size and Slogan-Type. *Health Communication*, 40(2), 210–221. <https://doi.org/10.1080/10410236.2024.2342489>

Kidd, C., & Hayden, B. Y. (2015). The Psychology and Neuroscience of Curiosity. *Neuron*, 88(3), 449–460. <https://doi.org/10.1016/j.neuron.2015.09.010>

Kilic, Z., McKone, K. M. P., Stout, C. D., Grad-Freilich, M. J., Ladouceur, C. D., Choukas-Bradley, S., & Silk, J. S. (2024). Overthinking over Screens: Girls Ruminates More After Negative Social Media Interactions with Peers Compared to In-Person Interactions. *Affective Science*. <https://doi.org/10.1007/s42761-024-00258-w>

2020	<i>New Media &amp; Society</i>	Kim	N/A
2006	<i>PLoS Biology</i>	Kim, H.	Shimojo, S. & O'Doherty, J. P.
2015	<i>Computers in Human Behavior</i>	Kim	Chock
2016	<i>The Social Science Journal</i>	Kim	Park
2012	<i>Frontiers in Integrative Neuroscience</i>	Kishida, K. T.	N/A

What do others' reactions to body posting on Instagram tell us? The effects of social media comments on viewers' body image perception

Is avoiding an aversive outcome rewarding?  
Neural substrates of avoidance learning in the human brain

Body image 2.0: Associations between social grooming on Facebook and body image concerns

Who is at risk on Facebook? The effects of Facebook NewsFeed photographs on female college students' appearancesatisfaction

A computational approach to "free will" constrained by the games we play.

Kim, H. M. (2020). What do others' reactions to body posting on Instagram tell us? The effects of social media comments on viewers' body image perception. *New Media & Society*, 23(12), 3448-3465. <https://doi.org/10.1177/1461444820956368>

Kim, H., Shimojo, S., & O'Doherty, J. P. (2006). Is avoiding an aversive outcome rewarding? Neural substrates of avoidance learning in the human brain. *PLoS Biology*, 4(8), e233. <https://doi.org/10.1371/journal.pbio.0040233>

Kim, J. W., & Chock, T. M. (2015). Body image 2.0: Associations between social grooming on Facebook and body image concerns. *Computers in Human Behavior*, 48(1), 331–339. <https://doi.org/10.1016/j.chb.2015.01.009>

Kim, M., & Park, W. (2016). Who is at risk on Facebook? The effects of Facebook News Feed photographs on female college students' appearance satisfaction. *The Social Science Journal*, 53(4), 427–434. <https://doi.org/10.1016/j.soscij.2016.08.007>

Kishida, K. T. (2012). A computational approach to “free will” constrained by the games we play. *Frontiers in Integrative Neuroscience*, 6. <https://doi.org/10.3389/fnint.2012.00085>

2007	<i>Antioxidants &amp; Redox Signaling</i>	Kishida, K. T.	Klann, E.
2009	<i>Oxidative Neural Injury</i>	Kishida, K. T.	Klann, E.
2012	<i>Biological Psychiatry</i>	Kishida, K. T.	Montague, P. R.
2021	<i>Affect Dynamics</i>	Kishida, K. T.	Sands, L. P.
2019	<i>Biological Psychology</i>	Kishida, K. T.	De Asis-Cruz, J., Treadwell-Deering, D., Liebenow, B., Beauchamp, M. S., & Montague, P. R.

Sources and Targets of Reactive Oxygen Species in Synaptic Plasticity and Memory.

Reactive Oxygen Species, Synaptic Plasticity, and Memory.

Imaging Models of Valuation During Social Interaction in Humans.

A Dynamic Affective Core to Bind the Contents, Context, and Value of Conscious Experience.

Diminished single-stimulus response in vmPFC to favorite people in children diagnosed with Autism Spectrum Disorder.

Kishida, K. T., & Klann, E. (2007). Sources and Targets of Reactive Oxygen Species in Synaptic Plasticity and Memory. *Antioxidants & Redox Signaling*, 9(2), 233–244.  
<https://doi.org/10.1089/ars.2007.9.233>

Kishida, K. T., & Klann, E. (2009). Reactive Oxygen Species, Synaptic Plasticity, and Memory. In S. C. Veasey (Ed.), *Oxidative Neural Injury* (pp. 1–27). Humana Press.  
[https://doi.org/10.1007/978-1-60327-342-8\\_1](https://doi.org/10.1007/978-1-60327-342-8_1)

Kishida, K. T., & Montague, P. R. (2012). Imaging Models of Valuation During Social Interaction in Humans. *Biological Psychiatry*, 72(2), 93–100.  
<https://doi.org/10.1016/j.biopsych.2012.02.037>

Kishida, K. T., & Sands, L. P. (2021). A Dynamic Affective Core to Bind the Contents, Context, and Value of Conscious Experience. In C. E. Waugh & P. Kuppens (Eds.), *Affect Dynamics* (pp. 293–328). Springer International Publishing. [https://doi.org/10.1007/978-3-030-82965-0\\_12](https://doi.org/10.1007/978-3-030-82965-0_12)

Kishida, K. T., De Asis-Cruz, J., Treadwell-Deering, D., Liebenow, B., Beauchamp, M. S., & Montague, P. R. (2019). Diminished single-stimulus response in vmPFC to favorite people in children diagnosed with Autism Spectrum Disorder. *Biological Psychology*, 145, 174–184.  
<https://doi.org/10.1016/j.biopsycho.2019.04.009>

2006	<i>Molecular and Cellular Biology</i>	Kishida, K. T.	Hoeffler, C. A., Hu, D., Pao, M., Holland, S. M., & Klann, E.
2010	<i>Neuron</i>	Kishida, K. T.	King-Casas, B., & Montague, P. R.
2012	<i>Journal of Neurodevelopmental Disorders</i>	Kishida, K. T.	Li, J., Schwind, J., & Montague, P. R.
2005	<i>Journal of Neurochemistry</i>	Kishida, K. T.	Pao, M., Holland, S. M., & Klann, E.
2016	<i>Proceedings of the National Academy of Sciences</i>	Kishida, K. T.	Saez, I., Lohrenz, T., Witcher, M. R., Laxton, A. W., Tatter, S. B., White, J. P., Ellis, T. L., Phillips, P. E. M., & Montague, P. R.



Synaptic Plasticity Deficits and Mild Memory Impairments in Mouse Models of Chronic Granulomatous Disease.

Neuroeconomic Approaches to Mental Disorders.

New approaches to investigating social gestures in autism spectrum disorder.

NADPH oxidase is required for NMDA receptor-dependent activation of ERK in hippocampal area CA1.

Subsecond dopamine fluctuations in human striatum encode superposed error signals about actual and counterfactual reward.

Kishida, K. T., Hoeffler, C. A., Hu, D., Pao, M., Holland, S. M., & Klann, E. (2006). Synaptic Plasticity Deficits and Mild Memory Impairments in Mouse Models of Chronic Granulomatous Disease. *Molecular and Cellular Biology*, 26(15), 5908–5920. <https://doi.org/10.1128/MCB.00269-06>

Kishida, K. T., King-Casas, B., & Montague, P. R. (2010). Neuroeconomic Approaches to Mental Disorders. *Neuron*, 67(4), 543–554. <https://doi.org/10.1016/j.neuron.2010.07.021>

Kishida, K. T., Li, J., Schwind, J., & Montague, P. R. (2012). New approaches to investigating social gestures in autism spectrum disorder. *Journal of Neurodevelopmental Disorders*, 4(1), 14. <https://doi.org/10.1186/1866-1955-4-14>

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2011	<i>PLOS ONE</i>	Kishida, K. T.	Sandberg, S. G., Lohrenz, T., Comair, Y. G., Sáez, I., Phillips, P. E. M., & Montague, P. R.
2018	<i>Media Psychology.</i>	Kleemans M.	Daalmans S, Carbaat I, Anschütz D.
2016	<i>Media Psychology</i>	Kleemans, M.	Daalmans, S., Carbaat, I., & Anschütz, D.
2018	<i>Media Psychology</i>	Kleemans	Daalmans, S., Carbaat, I., &
2001	<i>The Journal of Neuroscience</i>	Knutson, B.	Adams, C. M., Fong, G. W., & Hommer, D.

Sub-Second Dopamine Detection in Human Striatum.

Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls.

Picture perfect: the direct effect of manipulated instagram photos on body image in adolescent girls

Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls

Anticipation of increasing monetary reward selectively recruits nucleus accumbens

Kishida, K. T., Sandberg, S. G., Lohrenz, T., Comair, Y. G., Sáez, I., Phillips, P. E. M., & Montague, P. R. (2011). Sub-Second Dopamine Detection in Human Striatum. *PLOS ONE*, 6(8), e23291. <https://doi.org/10.1371/journal.pone.0023291>

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2000	<i>NeuroImage</i>	Knutson, B.	Westdorp, A., Kaiser, E., & Hommer, D.
2019	<i>Proceedings of the National Academy of Sciences</i>	Kobayashi, K.	Hsu, M.
2024	<i>Neuron</i>	Kobayashi, K.	Kable, J. W.
2021	<i>Frontiers in Psychology</i>	Koessmeier, C.	Büttner, O. B.
2016	<i>First Monday</i>	Kofoed J.	Larsen M.

FMRI Visualization of Brain Activity during a Monetary Incentive Delay Task.

Common neural code for reward and information value.

Neural mechanisms of information seeking.

Why are we distracted by social media? distraction situations and strategies, reasons for distraction, and individual differences

A snap of intimacy: Photo-sharing practices among young people on social media.

Knutson, B., Westdorp, A., Kaiser, E., & Hommer, D. (2000). FMRI Visualization of Brain Activity during a Monetary Incentive Delay Task. *NeuroImage*, 12(1), 20–27. <https://doi.org/10.1006/nimg.2000.0593>

Kobayashi, K., & Hsu, M. (2019). Common neural code for reward and information value. *Proceedings of the National Academy of Sciences*, 116(26), 13061–13066. <https://doi.org/10.1073/pnas.1820145116>

Kobayashi, K., & Kable, J. W. (2024). Neural mechanisms of information seeking. *Neuron*, 112(11), 1741–1756. <https://doi.org/10.1016/j.neuron.2024.04.008>

Koessmeier, C., & Büttner, O. B. (2021). Why are we distracted by social media? distraction situations and strategies, reasons for distraction, and individual differences. *Frontiers in Psychology*, 12, 711416. <https://doi.org/10.3389/fpsyg.2021.711416>

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2021	<i>Scandinavian Journal of Psychology</i>	Kokoç, M.	N/A
1998	<i>Annual Review of Psychology</i>	Kolb, B.	Whishaw, I. Q.
2016	<i>Lancet Psychiatry.</i>	Koob GF.	Volkow ND.
2016	<i>The Lancet</i>	Koob, D. G. F.	Volkow, N.
2003	<i>Alcohol Clin Exp Res</i>	Koob, G. F.	N/A

The mediating role of attention control in the link between multitasking with social media and academic performances among adolescents

#### BRAIN PLASTICITY AND BEHAVIOR

Neurobiology of addiction: a neurocircuitry analysis.

Neurobiology of addiction: A neurocircuitry analysis

Alcoholism: Allostasis and Beyond

Kokoç, M. (2021). The mediating role of attention control in the link between multitasking with social media and academic performances among adolescents. *Scandinavian Journal of Psychology* , 62(4), 493–501. <https://doi.org/10.1111/sjop.12731>

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Koob GF, Volkow ND. (2016). Neurobiology of addiction: a neurocircuitry analysis. *Lancet Psychiatry*, 3(8):760-773.

Koob, D. G. F., & Volkow, N. (2016). Neurobiology of addiction: A neurocircuitry analysis, *The Lancet* 3:760-73

Koob, G. F. (2003). Alcoholism: Allostasis and Beyond, *Alcohol Clin Exp Res*, 27(2):232-243

2013	<i>Curr Topics Behav Neurosci</i>	Koob, G. F.	N/A
2015	<i>Computers in Human Behavior</i>	Koutamanis	Vossen, Valkenburg
2010	<i>Frontiers in behavioral neuroscience</i>	Krach S.	Paulus, F.M., Bodden, M., Kircher, T.
2024	<i>Emotion</i>	Kramer	Roos, Schoedel, Wrzus, & Richter
2008	<i>Health Education Research</i>	Krayer, A.	Ingledew, D. K. & Iphofen, R.

Theoretical Frameworks and Mechanistic Aspects of Alcohol Addiction: Alcohol Addiction as a Reward Deficit Disorder

Adolescents' comments in social media: Why do adolescents receive negative feedback and who is most at risk?

The rewarding nature of social interactions.

Social Dynamics and Affect: Investigating Within-Person Associations in Daily Life Using Experience Sampling and Mobile Sensing

Social comparison and body image in adolescence: a grounded theory approach

Koob, G. F. (2013). Theoretical Frameworks and Mechanistic Aspects of Alcohol Addiction: Alcohol Addiction as a Reward Deficit Disorder, *Curr Topics Behav Neurosci* 13: 3-30

Koutamanis, M., Vossen, H. G. M., & Valkenburg, P. M. (2015). Adolescents' Comments in Social media: Why Do Adolescents Receive Negative Feedback and Who Is Most at risk? *Computers in Human Behavior*, 53 (1), 486–494.  
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Krach, S., Paulus, F. M., Bodden, M., & Kircher, T. (2010). The rewarding nature of social interactions. *Frontiers in behavioral neuroscience*, 4, 22.  
<https://doi.org/10.3389/fnbeh.2010.00022>

Krämer, M. D., Roos, Y., Schoedel, R., Wrzus, C., & Richter, D. (2024). Social dynamics and affect: Investigating within-person associations in daily life using experience sampling and mobile sensing. *Emotion*, 24(3), 878–893. <https://doi.org/10.1037/emo0001309>

Krayer, A., Ingledew, D. K., & Iphofen, R. (2008). Social comparison and body image in adolescence: a grounded theory approach. *Health Education Research*, 23(5), 892–903.  
<https://doi.org/10.1093/her/cym076>

2021	<i>The Journal of adolescent health : official publication of the Society for Adolescent Medicine</i>	Kreski, N.	Platt, J., Rutherford, C., Olfson, M., Odgers, C., Schulenberg, J., & Keyes, K. M.
2019	<i>Emotion</i>	Kross	Verduyn, Boyer, Drake, Gainsburg, Vickers, Ybarra, & Jonides
1976	<i>Social Science Research.</i>	Kunz P.	Woolcott M.
2024	<i>Computers in Human Behavior</i>	Kurten	Ghai, Odgers, Kievit, Orben
2016	<i>Improving social media measurement in surveys: Avoiding acquiescence bias in Facebook research. Computers in</i>	Kuru, O.	Kuru, O., & Pasek, J.

Social Media Use and Depressive Symptoms  
Among United States Adolescents.

Does Counting Emotion Words on Online  
Social Networks Provide a Window Into  
People's Subjective Experience of Emotion?  
A Case Study on Facebook

Season's greetings: From my status to yours.

Deprivation's role in adolescent social media  
use and its links to life satisfaction

Improving social media measurement in  
surveys: Avoiding acquiescence bias in  
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Kreski, N., Platt, J., Rutherford, C., Olfson, M., Odgers, C., Schulenberg, J., & Keyes, K. M. (2021). Social Media Use and Depressive Symptoms Among United States Adolescents. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*, 68(3), 572–579. <https://doi.org/10.1016/j.jadohealth.2020.07.006>

Kross, E., Verduyn, P., Boyer, M., Drake, B., Gainsburg, I., Vickers, B., Ybarra, O., & Jonides, J. (2019). Does counting emotion words on online social networks provide a window into people's subjective experience of emotion? A case study on Facebook. *Emotion*, 19(1), 97–107. <https://doi.org/10.1037/emo0000416>

Kunz, P. R., & Woolcott, M. (1976). Season's greetings: From my status to yours. *Social Science Research*, 5(3), 269–278. [https://doi.org/10.1016/0049-089x\(76\)90003-x](https://doi.org/10.1016/0049-089x(76)90003-x)

Kurten, S., Ghai, S., Odgers, C., Kievit, R. A., & Orben, A. (2024). Deprivation's role in adolescent social media use and its links to life satisfaction. *Computers in Human Behavior*, 108541–108541. <https://doi.org/10.1016/j.chb.2024.108541>

Kuru, O., & Pasek, J. (2016). Improving social media measurement in surveys: Avoiding acquiescence bias in Facebook research. *Computers in Human Behavior*, 57, 82–92. <https://doi.org/10.1016/j.chb.2015.12.008>

2022	<i>Research on Child and Adolescent Psychopathology</i>	Kurup, A. R.	George, M. J., Burnell, K., & Underwood, M. K.
2023	#N/A	Kurz, D.B.	Jahng, S.
2017	<i>International journal of environmental research and public health</i>	Kuss, D. J.	Griffiths, M. D.
2019	<i>Adultspan Journal</i>	Kuther, T. L.	Burnell, K.
2015	<i>Sleep Medicine</i>	Kuula, L.	Pesonen, A.-K., Martikainen, S., Kajantie, E., Lahti, J., Strandberg, T., Tuovinen, S., Heinonen, K., Pyhälä, R., Lahti, M., & Räikkönen, K.

A longitudinal investigation of observed adolescent text-based sexting and adjustment

Texas' teens face a social media ban: A new start or a recipe for destructive isolation? Research Association for Interdisciplinary Studies.

Social Networking Sites and Addiction: Ten Lessons Learned

A life span developmental perspective on psychosocial development in midlife

Poor sleep and neurocognitive function in early adolescence

Kurup, A. R., George, M. J., Burnell, K., & Underwood, M. K. (2022). A longitudinal investigation of observed adolescent text-based sexting and adjustment. *Research on Child and Adolescent Psychopathology* , 50 , 431-445.

Kurz DB, Jahng S. RAIS Conference Proceedings 2022-2023. 2022. [December 28, 2023]. Texas' teens face a social media ban: A new start or a recipe for destructive isolation? Research Association for Interdisciplinary Studies.

Kuss, D. J., & Griffiths, M. D. (2017). Social Networking Sites and Addiction: Ten Lessons Learned. *International journal of environmental research and public health*, 14(3), 311. <https://doi.org/10.3390/ijerph14030311>

Kuther, T. L. & Burnell, K. (2019). A life span developmental perspective on psychosocial development in midlife. *Adultspan Journal* , 18, 27-39.

Kuula, L., Pesonen, A.-K., Martikainen, S., Kajantie, E., Lahti, J., Strandberg, T., Tuovinen, S., Heinonen, K., Pyhälä, R., Lahti, M., & Räikkönen, K. (2015). Poor sleep and neurocognitive function in early adolescence. *Sleep Medicine* , 16(10), 1207–1212. <https://doi.org/10.1016/j.sleep.2015.06.017>

2023	<i>Body Image</i>	Kvardova, N.	Machackova, H. & Gulec, H.
2023	<i>Body Image</i>	Kvardova	Machackova, Gulec
2025	<i>Computers in Human Behavior</i>	Kvardova	Maes, Vandenbosch
2022	<i>Nature Reviews Psychology</i>	Kwon, S†.	Telzer, E.H.
2020	<i>Current Addiction Reports</i>	Kwon, S†.	Turpyn, C.C†., Duell, N†., & Telzer, E.H.

“I wish my body looked like theirs!”: How positive appearance comments on social media impact adolescents’ body dissatisfaction

‘I wish my body looked like theirs!’: How positive appearance comments on social media impact adolescents’ body dissatisfaction

BoPo online, BoPo offline? Engagement with body positivity posts, positive appearance comments on social media, and adolescents’ appearance-related prosocial tendencies

Social contextual risk taking in adolescence

Neural underpinnings of social contextual influences on adolescent risk taking

Kvardova, N., Machackova, H., & Gulec, H. (2023). "I wish my body looked like theirs!": How positive appearance comments on social media impact adolescents' body dissatisfaction. *Body Image*, 47, 101630. <https://doi.org/10.1016/j.bodyim.2023.101630>

Kvardova, N., Machackova, H., & Gulec, H. (2023). "I wish my body looked like theirs!": How positive appearance comments on social media impact adolescents' body dissatisfaction. *Body Image*, 47, 101630. <https://doi.org/10.1016/j.bodyim.2023.101630>

Kvardova, N., Maes, C., Vandenbosch, L. (2025). BoPo online, BoPo offline? Engagement with body positivity posts, positive appearance comments on social media, and adolescents' appearance-related prosocial tendencies,

Kwon, S†. & Telzer, E.H. (2022). Social contextual risk taking in adolescence. *Nature Reviews Psychology*, 1, 393-406. <https://doi.org/10.1038/s44159-022-00060-0>

Kwon, S†. Turpyn, C.C†., Duell, N†., & Telzer, E.H. (2020). Neural underpinnings of social contextual influences on adolescent risk taking. *Current Addiction Reports*, 7, 413-420. <https://doi.org/10.1007/s40429-020-00328-6>

2021	<i>Journal of Research on Adolescence</i>	Kwon, S†.	Do, K.D†., McCormick, E.M†., & Telzer, E.H.
2019	<i>Frontiers in Behavioral Neuroscience</i>	Kwon, S†.	Ivory, S†., McCormick, E.M†., & Telzer, E.H.
2024	<i>Developmental Cognitive Neuroscience</i>	Kwon, S†.	Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Journal of Neuroscience</i>	Kwon, S†.	van Hoorn, J†., Do, K.D†., Burroughs, M†., & Telzer, E.H.
2024	<i>Developmental Cognitive Neuroscience</i>	Kwon, S†.	van Hoorn, J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.



Neural correlates of conflicting social influence on adolescent risk-taking

Behavioral and neural dysregulation to social rewards and links to internalizing symptoms in adolescents

Friendship changes differentially predict neural correlates of decision-making for friends across adolescence

Neural representation of donating time and money

Age-related changes in ventrolateral prefrontal cortex activation are associated with daily prosocial behaviors two years later

Kwon, S†., Do, K.D†., McCormick, E.M†., & Telzer, E.H. (2021). Neural correlates of conflicting social influence on adolescent risk-taking. *Journal of Research on Adolescence* , 31, 139-152. <https://doi.org/10.1111/jora.12587>

Kwon, S†., Ivory, S†., McCormick, E.M†., & Telzer, E.H. (2019). Behavioral and neural dysregulation to social rewards and links to internalizing symptoms in adolescents. *Frontiers in Behavioral Neuroscience* , 23, 1-12. <https://doi.org/10.3389/fnbeh.2019.00158>. Special issue on Social and Non-Social Reward: Neural Mechanisms Implicated in Reward Processing Across Domains and Contexts

Kwon, S†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Friendship changes differentially predict neural correlates of decision-making for friends across adolescence. *Developmental Cognitive Neuroscience*, 65, 101342. <https://doi.org/10.1016/j.dcn.2024.101342>

Kwon, S†., van Hoorn, J†., Do, K.D†., Burroughs, M†. & Telzer, E.H. (2023). Neural representation of donating time and money. *Journal of Neuroscience*, 36, 6297-6305. <https://doi.org/10.1523/JNEUROSCI.0480-23.2023>

Kwon, S†., van Hoorn, J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Age-related changes in ventrolateral prefrontal cortex activation are associated with daily prosocial behaviors two years later. *Developmental Cognitive Neuroscience*, 67, 101394. <https://doi.org/10.1016/j.dcn.2024.101394>

2023	<i>Journal of Cognitive Neuroscience</i>	Kwon, S <sup>†</sup> .	Flannery, J.E. <sup>†</sup> , Prinstein M.J., Lindquist, K.A., & Telzer, E.H.
2022	<i>Social Cognitive and Affective Neuroscience</i>	Kwon, S <sup>†</sup> .	Turpyn, C.C <sup>†</sup> ., Prinstein M.J., Lindquist, K.A., & Telzer, E.H.
2012	<i>Neuroimage</i>	Kwong, K. K.	N/A
2023	<i>Body Image</i>	Lacroix, E.	Smith, A. J., Husain, I. A., Orth, U., & von Ranson, K. M.
2010	<i>Social Development</i>	LaFontana, K. M.	Cillessen, A. H. N.

Behavioral and neural trajectories of risk taking for peer and parent in adolescence

Self-oriented neural circuitry predicts other-oriented adaptive risks in adolescence: A longitudinal study

Record of a single fMRI experiment in May of 1991

Normative body image development: A longitudinal meta-analysis of mean-level change

Developmental changes in the priority of perceived status in childhood and adolescence

Kwon, S†., Flannery, J.E.†, Prinstein M.J., Lindquist, K.A., & Telzer, E.H. (2023). Behavioral and neural trajectories of risk taking for peer and parent in adolescence. *Journal of Cognitive Neuroscience*, 35, 802-815. [https://doi.org/10.1162/jocn\\_a\\_01974](https://doi.org/10.1162/jocn_a_01974)

Kwon, S†., Turpyn, C.C†., Prinstein M.J., Lindquist, K.A., & Telzer, E.H. (2022). Self-oriented neural circuitry predicts other-oriented adaptive risks in adolescence: A longitudinal study. *Social Cognitive and Affective Neuroscience*, 17, 161-171. <https://doi.org/10.1093/scan/nsab076>

Kwong, K. K. (2012). Record of a single fMRI experiment in May of 1991. *Neuroimage*, 62(2), 610–612. <https://doi.org/10.1016/j.neuroimage.2011.07.089>

Lacroix, E., Smith, A. J., Husain, I. A., Orth, U., & von Ranson, K. M. (2023). Normative body image development: A longitudinal meta-analysis of mean-level change. *Body Image*, 45, 238–264. <https://doi.org/10.1016/j.bodyim.2023.03.003>

LaFontana, K. M., & Cillessen, A. H. N. (2010). Developmental changes in the priority of perceived status in childhood and adolescence. *Social Development*, 19(1), 130–147. <https://doi.org/10.1111/j.1467-9507.2008.00522.x>

2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Lambert, J.	Barnstable, G., Minter, E., Cooper, J., & McEwan, D.
2019	<i>Journal of Adolescent Health</i>	Lapierre	Zhao, & Custer
1996	<i>Developmental Psychology</i>	Larson, R. W.	Richards, M. H., Moneta, G., Holmbeck, G., & Duckett, E.
2001	<i>American journal of community psychology</i>	Larson, R. W.	Richards, M. H., Sims, B., & Dworkin, J.
2015	<i>International Journal of Adolescence and Youth</i>	Latzer	Spivak-Lavi, Katz

Taking a One-Week Break from Social Media Improves Well-Being, Depression, and Anxiety: A Randomized Controlled Trial

Short-Term Longitudinal Relationships Between Smartphone Use/Dependency and Psychological Well-Being Among Late Adolescents

Changes in adolescents' daily interactions with their families from ages 10 to 18: Disengagement and transformation

How urban African American young adolescents spend their time: time budgets for locations, activities, and companionship

Disordered eating and media exposure among adolescent girls: the role of parental involvement and sense of empowerment

Lambert, J., Barnstable, G., Minter, E., Cooper, J., & McEwan, D. (2022). Taking a One-Week Break from Social Media Improves Well-Being, Depression, and Anxiety: A Randomized Controlled Trial. *Cyberpsychology, Behavior, and Social Networking* , 25 (5). <https://doi.org/10.1089/cyber.2021.0324>

Lapierre, M. A., Zhao, P., & Custer, B. E. (2019). Short-Term Longitudinal Relationships Between Smartphone Use/Dependency and Psychological Well-Being Among Late Adolescents. *Journal of Adolescent Health* , 65 (5). <https://doi.org/10.1016/j.jadohealth.2019.06.001>

Larson, R. W., Richards, M. H., Moneta, G., Holmbeck, G., & Duckett, E. (1996). Changes in adolescents' daily interactions with their families from ages 10 to 18: Disengagement and transformation. In *Developmental Psychology* (Vol. 32, Issue 4, pp. 744–754). American Psychological Association (APA). <https://doi.org/10.1037/0012-1649.32.4.744>

Larson, R. W., Richards, M. H., Sims, B., & Dworkin, J. (2001). How urban African American young adolescents spend their time: time budgets for locations, activities, and companionship. *American journal of community psychology*, 29(4), 565–597. <https://doi.org/10.1023/A:1010422017731>

Latzer, Y., Spivak-Lavi, Z., & Katz, R. (2015). Disordered eating and media exposure among adolescent girls: the role of parental involvement and sense of empowerment. *International Journal of Adolescence and Youth* , 20 (3), 375–391. <https://doi.org/10.1080/02673843.2015.1014925>



2025	<i>Research on Child and Adolescent Psychopathology</i>	Lavell	Oar, & Rapee
2021	<i>Journal of Child and Family Studies</i>	Lawrence	Hunter, Cunneen, Houghton, Zadow, Rosenberg, Wood, Shilton
2017	<i>Pediatrics</i>	LeBourgeois	Hale, Chang, Akacem, Montgomery-Downs, Buxton
2020	<i>Current Psychology.</i>	Lee J.	N/A
2020	<i>Child Development</i>	Lee, H. Y.	Jamieson, J. P., Reis, H. T., Beevers, C. G., Josephs, R. A., Mullarkey, M. C., O'Brien, J. M., & Yeager, D. S.

Peer relationships and social media use in adolescents with body dysmorphic disorder

Reciprocal Relationships between Trajectories of Loneliness and Screen Media Use during Adolescence

Digital Media and Sleep in Childhood and Adolescence

The effects of social comparison orientation on psychological well-being in social networking sites: Serial mediation of perceived social support and self-esteem.

Getting fewer “likes” than others on social media elicits emotional distress among victimized adolescents

Lavell, C.H., Oar, E.L. & Rapee, R.M. (2025). Peer Relationships and Social Media Use in Adolescents with Body Dysmorphic Disorder. *Research on Child Adolescent Psychopathology*, **53**, 43–55 <https://doi.org/10.1007/s10802-024-01245-2>

Lawrence, D., Hunter, S. C., Cunneen, R., Houghton, S. J., Zadow, C., Rosenberg, M., Wood, L., & Shilton, T. (2021). Reciprocal Relationships between Trajectories of Loneliness and Screen Media Use during Adolescence. *Journal of Child and Family Studies*, *31* (5). <https://doi.org/10.1007/s10826-021-02066-3>

LeBourgeois, M. K., Hale, L., Chang, A. M., Akacem, L. D., Montgomery-Downs, H. E., & Buxton, O. M. (2017). Digital Media and Sleep in Childhood and Adolescence. *Pediatrics*, *140* (Suppl 2), S92–S96. <https://doi.org/10.1542/peds.2016-1758J>

Lee J. (2020). The effects of social comparison orientation on psychological well-being in social networking sites: Serial mediation of perceived social support and self-esteem. *Current Psychology*, *41*, 6247 - 6259. <https://doi.org/10.1007/s12144-020-01114-3>

Lee, H. Y., Jamieson, J. P., Reis, H. T., Beevers, C. G., Josephs, R. A., Mullarkey, M. C., O'Brien, J. M., & Yeager, D. S. (2020). Getting fewer “likes” than others on social media elicits emotional distress among victimized adolescents. *Child Development*, *91*(6), 2141–2159. <https://doi.org/10.1111/cdev.13422>

2020	<i>Child Development</i>	Lee	Jamieson, Reis, Beevers, Josephs, Mullarkey, O'Brien, Yeager
2021	<i>Computers in Human Behavior</i>	Lee	Lee
2020	<i>Journal of Sleep Res</i>	Lee	Tse, Wu, Mak, Lee
2022	<i>Journal of Adolescent Health</i>	Lee	Lohrmann, Luo, & Chow
2023	<i>JMIR MHealth and UHealth</i>	Lee, T.	Cho, Y., Cha, K. S., Jung, J., Cho, J., Kim, H., Kim, D., Hong, J., Lee, D., Keum, M., Kushida, C. A., Yoon, I.-Y., & Kim, J.-W.

Getting Fewer “Likes” Than Others on Social Media Elicits Emotional Distress Among Victimized Adolescents

Social media photo activity, internalization, appearance comparison, and body satisfaction: The moderating role of photo-editing behavior

Temporal association between objectively measured smartphone usage, sleep quality and physical activity among Chinese adolescents and young adults

Frequent Social Media Use and Its Prospective Association With Mental Health Problems in a Representative Panel Sample of US Adolescents

Accuracy of 11 wearable, nearable, and airable consumer sleep trackers: prospective multicenter validation study

Lee, H. Y., Jamieson, J., Reis, H., Beevers, C., Josephs, R., Mullarkey, M., O'Brien, J., & Yeager, D. (2020). Getting Fewer “Likes” Than Others on Social Media Elicits Emotional Distress Among Victimized Adolescents. *Child Development* , 91 (6).  
<https://doi.org/10.1111/cdev.13422>

Lee, M., & Lee, H.-H. (2021). Social media photo activity, internalization, appearance comparison, and body satisfaction: The moderating role of photo-editing behavior. *Computers in Human Behavior* , 114 . <https://doi.org/10.1016/j.chb.2020.106579>

Lee, P. H., Tse, A. C. Y., Wu, C. S. T., Mak, Y. W., & Lee, U. (2020). Temporal association between objectively measured smartphone usage, sleep quality and physical activity among Chinese adolescents and young adults. *Journal of Sleep Research* .  
<https://doi.org/10.1111/jsr.13213>

Lee, S., Lohrmann, D. K., Luo, J., & Chow, A. (2022). Frequent Social Media Use and Its Prospective Association With Mental Health Problems in a Representative Panel Sample of US Adolescents. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine* , 70 (5), 796–803. <https://doi.org/10.1016/j.jadohealth.2021.11.029>

Lee, T., Cho, Y., Cha, K. S., Jung, J., Cho, J., Kim, H., Kim, D., Hong, J., Lee, D., Keum, M., Kushida, C. A., Yoon, I.-Y., & Kim, J.-W. (2023). Accuracy of 11 wearable, nearable, and airable consumer sleep trackers: prospective multicenter validation study. *JMIR MHealth and UHealth* , 11, e50983. <https://doi.org/10.2196/50983>

2016	<i>Developmental Cognitive Neuroscience</i>	Lee, T†.	Telzer, E.H.
2017	<i>Developmental Cognitive Neuroscience</i>	Lee, T†.	Miernicki, M.E†. & Telzer, E.H.
2017	<i>NeuroImage</i>	Lee, T†.	Miernicki, M.E†. & Telzer, E.H.
2020	<i>Emotion</i>	Lee, T†.	Perino, M.T†., McElwain, N., & Telzer, E.H.
2017	<i>Social Cognitive Affective Neuroscience</i>	Lee, T†.	Qu, Y†. & Telzer, E.H.

Negative coupling between the right fronto-parietal and limbic resting state networks predicts increased self-control and later substance use onset in adolescence
Behavioral and neural concordance in parent-child dyadic sleep patterns
Families that fire together smile together: Resting state connectome similarity and daily emotional synchrony in parent-child dyads
Perceiving facial affective ambiguity: A behavioral and neural comparison of adolescents and adults
Love flows downstream: mothers' and children's neural representation similarity in perceiving distress of self and family



Lee, T†., & Telzer, E.H. (2016). Negative coupling between the right fronto-parietal and limbic resting state networks predicts increased self-control and later substance use onset in adolescence. *Developmental Cognitive Neuroscience* , 20, 35-42.  
<https://doi.org/10.1016/j.dcn.2016.06.002>

Lee, T†., Miernicki, M.E†., & Telzer, E.H. (2017). Behavioral and neural concordance in parent-child dyadic sleep patterns. *Developmental Cognitive Neuroscience* , 26, 77-83.  
<https://doi.org/10.1016/j.dcn.2017.06.003>

Lee, T†., Miernicki, M.E†., & Telzer, E.H. (2017). Families that fire together smile together: Resting state connectome similarity and daily emotional synchrony in parent-child dyads. *NeuroImage* , 152, 31-37. <https://doi.org/10.1016/j.neuroimage.2017.02.078>

Lee, T†., Perino, M.T†., McElwain, N., & Telzer, E.H. (2020). Perceiving facial affective ambiguity: A behavioral and neural comparison of adolescents and adults. *Emotion* , 20(3), 501–506. <https://doi.org/10.1037/emo0000558>

Lee, T†., Qu, Y†., & Telzer, E.H. (2017). Love flows downstream: mothers' and children's neural representation similarity in perceiving distress of self and family. *Social Cognitive Affective Neuroscience* , 12, 1916–1927. <https://doi.org/10.1093/scan/nsx125>

2018	<i>Journal of Research on Adolescence</i>	Lee, T†.	Qu, Y†. & Telzer, E.H.
2019	<i>Frontiers in Neuroscience</i>	Lee, T†.	Qu., Y†. & Telzer, E.H.
2022	<i>Journal of Early Adolescence</i>	Leggett-James	Laursen
2021	<i>Penguin.</i>	Lembke, A.	N/A
2010	<i>Pew Internet and American Life Project</i>	Lenhart, A.	Ling, R., Campbell, S. & Purcell, K.

Dyadic neural similarity during stress in mother-child dyads

Neural representation of parental monitoring and links to adolescent risk taking

The Consequences of Social Media Use Across the Transition Into Adolescence: Body Image and Physical Activity

Dopamine nation: Finding balance in the age of indulgence

Teens and Mobile Phones: Text Messaging Explodes as Teens Embrace It as the Centerpiece of Their Communication Strategies with Friends

Lee, T†., Qu, Y†., & Telzer, E.H. (2018). Dyadic neural similarity during stress in mother-child dyads. *Journal of Research on Adolescence* , 28, 121-123. Special Issue on Adolescent Brain Development. <https://doi.org/10.1111/jora.12334>

Lee, T†., Qu, Y†., & Telzer, E.H. (2019). Neural representation of parental monitoring and links to adolescent risk taking. *Frontiers in Neuroscience* , 13, 1-9. <https://doi.org/10.3389/fnins.2019.01286> Special issue on Impact of Social Context on Risk-Taking in Adolescence and Adulthood: Neurocognitive Underpinnings.

Leggett-James, M. P., & Laursen, B. (2022). The Consequences of Social Media Use Across the Transition Into Adolescence: Body Image and Physical Activity. *The Journal of Early Adolescence*, 43(7), 947-964. <https://doi.org/10.1177/02724316221136043>

Lembke, A. (2021). *Dopamine nation: Finding balance in the age of indulgence*. Penguin.

Lenhart, A., Ling, R., Campbell, S. & Purcell, K. (2010). Teens and Mobile Phones: Text Messaging Explodes as Teens Embrace It as the Centerpiece of Their Communication Strategies with Friends. Pew Internet and American Life Project. <https://files.eric.ed.gov/fulltext/ED525059.pdf>

2021	<i>Sleep Medicine</i>	Leung	Torres
2016	<i>Preventive medicine</i>	Levenson, J.C.	Shensa, A., Sidani, J.E., Colditz, J.B., Primack, B.A.
2021	<i>Preventive Medicine Reports</i>	Leventhal	Cho, Keyes, Zink, Riehm, Zhang, Ketema
2018	<i>Current Directions in Psychological Science</i>	Li, N. P.	van Vugt, M. & Colarelli, S. M.
2018	<i>Telematics &amp; Inform</i>	Li	Chang, Chua, & Loh

Sleep duration does not mediate the association between screen time and adolescent depression and anxiety: findings from the 2018 National Survey of Children's Health

The association between social media use and sleep disturbance among young adults.

Digital media use and suicidal behavior in U.S. adolescents, 2009-2017

The evolutionary mismatch hypothesis: implications for psychological science

“Likes” as KPI: An examination of teenage girls’ perspective on peer feedback on Instagram and its influence on coping response

Leung, C. Y., & Torres, R. (2021). Sleep duration does not mediate the association between screen time and adolescent depression and anxiety: findings from the 2018 National Survey of Children's Health. *Sleep Medicine* , 81 , 227–234. <https://doi.org/10.1016/j.sleep.2021.02.031>

Levenson, J. C., Shensa, A., Sidani, J. E., Colditz, J. B., & Primack, B. A. (2016). The association between social media use and sleep disturbance among young adults. *Preventive medicine* , 85 , 36–41. <https://doi.org/10.1016/j.ypmed.2016.01.001>

Leventhal, A. M., Cho, J., Keyes, K. M., Zink, J., Riehm, K. E., Zhang, Y., & Ketema, E. (2021). Digital media use and suicidal behavior in U.S. adolescents, 2009–2017. *Preventive Medicine Reports* , 23 , 101497. <https://doi.org/10.1016/j.pmedr.2021.101497>

Li, N. P., van Vugt, M., & Colarelli, S. M. (2018). The evolutionary mismatch hypothesis: implications for psychological science. *Current Directions in Psychological Science* , 27(1), 38–44. <https://doi.org/10.1177/0963721417731378>

Li, P., Chang, L., Chua, T. H. H., & Loh, R. S. M. (2018). “Likes” as KPI: An examination of teenage girls’ perspective on peer feedback on Instagram and its influence on coping response. *Telematics and Informatics* , 35 (7), 1994–2005. <https://doi.org/10.1016/j.tele.2018.07.003>

2022	<i>Social Cognitive Affective Neuroscience</i>	Li, X†.	Jorgensen, N.A†., McElwain, N.L., & Telzer, E.H.
2024	<i>Computers in Human Behavior</i>	Li	Chen, He, Li, Chen, Ru, Zhou
2024	<i>Computers in Human Behavior</i>	Li	Koning, Finkenauer, Boer, van den Eijnden
2022	<i>Frontiers in Psychiatry</i>	Liebenow, B.	Jones, R., DiMarco, E., Trattner, J. D., Humphries, J., Sands, L. P., Spry, K. P., Johnson, C. K., Farkas, E. B., Jiang, A., & Kishida, K. T.
2018	<i>Wiley Press</i>	Lin, L†.	Telzer, E.H.



Toddler-mother attachment moderates adolescents' behavioral and neural evaluation of trustworthiness

Investigation of bi-directional relations between pre-sleep electronic media use and sleep: A seven-day dairy study

The bidirectional relationships between fear of missing out, problematic social media use and adolescents' well-being: A random intercept cross-lagged panel model.

Computational reinforcement learning, reward (and punishment), and dopamine in psychiatric disorders.

An introduction to cultural neuroscience (pgs. 399-420). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). The Handbook of Culture and Biology

Li, X†., Jorgensen, N.A†., McElwain, N.L., & Telzer, E.H. (2022). Toddler-mother attachment moderates adolescents' behavioral and neural evaluation of trustworthiness. *Social Cognitive Affective Neuroscience*, 17, 828-836. <https://doi.org/10.1093/scan/nsac009>

Li, Y., Chen, Q., He, M., Li, S., Chen, Y., Ru, T., & Zhou, G. (2024). Investigation of bi-directional relations between pre-sleep electronic media use and sleep: A seven-day dairy study. *Computers in Human Behavior*, 161, 108423. <https://doi.org/10.1016/j.chb.2024.108423>

Li, Y.-Y., Koning, I. M., Finkenauer, C., Boer, M., & van den Eijnden, R.J.J.M. (2024). The bidirectional relationships between fear of missing out, problematic social media use and adolescents' well-being: A random intercept cross-lagged panel model. *Computers in Human Behavior*, 154, 108160–108160. <https://doi.org/10.1016/j.chb.2024.108160>

Liebenow, B., Jones, R., DiMarco, E., Trattner, J. D., Humphries, J., Sands, L. P., Spry, K. P., Johnson, C. K., Farkas, E. B., Jiang, A., & Kishida, K. T. (2022). Computational reinforcement learning, reward (and punishment), and dopamine in psychiatric disorders. *Frontiers in Psychiatry*, 13. <https://doi.org/10.3389/fpsy.2022.886297>

Lin, L†. & Telzer, E.H. (2018). An introduction to cultural neuroscience (pgs. 399-420). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>

2018	<i>Culture and Brain</i>	Lin, L†.	Qu, Y†. & Telzer, E.H.
2018	<i>Proceedings of the National Academy of Sciences</i>	Lin, L†.	Qu, Y†. & Telzer, E.H.
2024	<i>European Child &amp; Adolescent Psychiatry</i>	Lin, S.C.	Pozzi, E., Kehoe, C.E., Havighurst, S., Schwartz, O.S., Yap, M.B.H., Zhao, J., Telzer, E.H., & Whittle, S.
2025	<i>Frontiers in Public Health</i>	Lin	Cen, Chen, Guangzhou
2024	<i>Research in Aging</i>	Lin	Lachman

Cultural influences on the neural correlates of intergroup perception
Intergroup social influence on emotion processing in the brain
Family and parenting factors are associated with emotion regulation neural function in early adolescent girls with elevated internalizing symptoms
The impact of social media addiction on the negative emotions of adolescent athletes: The mediating role of physical appearance comparisons and sleep.
Social Media Use and Daily Well-Being: The Role of Quantity and Quality of Social Support

Lin, L†., Qu, Y†. & Telzer, E.H. (2018). Cultural influences on the neural correlates of intergroup perception. *Culture and Brain* , 6, 171-187. Special Issue on Culture and Emotion. <https://doi.org/https://doi.org/10.1007/s40167-018-0070-6>

Lin, L†., Qu, Y†. & Telzer, E.H. (2018). Intergroup social influence on emotion processing in the brain. *Proceedings of the National Academy of Sciences* , 115, 10630-10635. <https://doi.org/10.1073/pnas.1802111115>

Lin, S.C., Pozzi, E., Kehoe, C.E., Havighurst, S., Schwartz, O.S., Yap, M.B.H., Zhao, J., Telzer, E.H., & Whittle, S. (2024). Family and parenting factors are associated with emotion regulation neural function in early adolescent girls with elevated internalizing symptoms. *European Child & Adolescent Psychiatry*, 33, 4381–439. <https://doi.org/10.1007/s00787-024-02481-z>

Lin, W., Cen, Z., & Chen, Y. (2025). The impact of social media addiction on the negative emotions of adolescent athletes: the mediating role of physical appearance comparisons and sleep. *Frontiers in Public Health* , 12 . <https://doi.org/10.3389/fpubh.2024.1452769>

Lin, X. Y., & Lachman, M. E. (2024). Social Media Use and Daily Well-Being: The Role of Quantity and Quality of Social Support. *Research on Aging*, 46(5-6), 287-301. <https://doi.org/10.1177/01640275241227575>

2017	<i>Computers in Human</i>	Lin	Li, Qu
2022	<i>Computers and Education Open</i>	Lin, Y.	Zhou, X.
2023	<i>Eating Disorders</i>	Linardon	N/A
2016	<i>Cerebral Cortex</i>	Lindquist, K. A.	Satpute, A. B., Wager, T. D., Weber, J., & Barrett, L. F.
2021	<i>Nature Communications</i>	Lindström, B.	Bellander, M., Schultner, D. T., Chang, A., Tobler, P. N., & Amodio, D. M.

Social network sites influence recovery from social exclusion: Individual differences in social anxiety

Bedtime smartphone use and academic performance: A longitudinal analysis from the stressor-strain-outcome perspective

Investigating longitudinal bidirectional associations between appearance comparisons to fitspiration content on Instagram, positive and negative body image, and dietary restraint

The Brain Basis of Positive and Negative Affect: Evidence from a Meta-Analysis of the Human Neuroimaging Literature

A computational reward learning account of social media engagement

Lin, X., Li, S., & Qu, C. (2017). Social network sites influence recovery from social exclusion: Individual differences in social anxiety. *Computers in Human Behavior* , 75 , 538–546. <https://doi.org/10.1016/j.chb.2017.05.044>

Lin, Y., & Zhou, X. (2022). Bedtime smartphone use and academic performance: A longitudinal analysis from the stressor-strain-outcome perspective. *Computers and Education Open* , 3, 100110. <https://doi.org/10.1016/j.caeo.2022.100110>

Linardon, J. (2023). Investigating longitudinal bidirectional associations between appearance comparisons to fitspiration content on Instagram, positive and negative body image, and dietary restraint. *Eating Disorders* , 31 (5), 450–463. <https://doi.org/10.1080/10640266.2023.2190973>

Lindquist, K. A., Satpute, A. B., Wager, T. D., Weber, J., & Barrett, L. F. (2016). The Brain Basis of Positive and Negative Affect: Evidence from a Meta-Analysis of the Human Neuroimaging Literature. *Cerebral Cortex* , 26(5), 1910–1922. <https://doi.org/10.1093/cercor/bhv001>

Lindström, B., Bellander, M., Schultner, D. T., Chang, A., Tobler, P. N., & Amodio, D. M. (2021). A computational reward learning account of social media engagement. *Nature Communications* , 12(1), 1311. <https://doi.org/10.1038/s41467-020-19607-x>



2022	<i>Scientific reports</i>	Lira, B.	O'Brien, J. M., Peña, P. A., Galla, B. M., D'Mello, S., Yeager, D. S., Defnet, A., Kautz, T., Munkacsy, K., & Duckworth, A. L.
2022	<i>JAMA Psychiatry</i> , 79(7), 718–726.	Liu R.T.	et. al.
2019	<i>Current Opinion in Neurobiology</i>	Liu, C.	Kaeser, P. S.
2021	<i>Nature Reviews Neuroscience</i>	Liu, C.	Goel, P., & Kaeser, P. S.
2022	<i>International Journal of Environmental Research and Public Health</i>	Liu	Kamper-DeMarco, K. E., Zhang, J., Xiao, J., Dong, D., Xue, P.

Large studies reveal how reference bias limits policy applications of self-report measures

Prevalence and Correlates of Suicide and Nonsuicidal Self-injury in Children: A Systematic Review and Meta-analysis.

Mechanisms and regulation of dopamine release.

Spatial and temporal scales of dopamine transmission.

Time spent on social media and risk of depression in adolescents A dose-response meta-analysis

Lira, B., O'Brien, J. M., Peña, P. A., Galla, B. M., D'Mello, S., Yeager, D. S., Defnet, A., Kautz, T., Munkacsy, K., & Duckworth, A. L. (2022). Large studies reveal how reference bias limits policy applications of self-report measures. *Scientific reports*, 12(1), 19189. <https://doi.org/10.1038/s41598-022-23373-9>

Liu R.T., et. al. (2022). Prevalence and Correlates of Suicide and Nonsuicidal Self-injury in Children: A Systematic Review and Meta-analysis. *JAMA Psychiatry*, 79(7), 718–726. <https://doi:10.1001/jamapsychiatry.2022.1256>.

Liu, C., & Kaeser, P. S. (2019). Mechanisms and regulation of dopamine release. *Current Opinion in Neurobiology*, 57, 46–53. <https://doi.org/10.1016/j.conb.2019.01.001>

Liu, C., Goel, P., & Kaeser, P. S. (2021). Spatial and temporal scales of dopamine transmission. *Nature Reviews Neuroscience*, 22(6), 345–358. <https://doi.org/10.1038/s41583-021-00455-7>

Liu, M., Kamper-DeMarco, K. E., Zhang, J., Xiao, J., Dong, D., & Xue, P. (2022). Time Spent on Social Media and Risk of Depression in Adolescents: A Dose-Response Meta-Analysis. *International Journal of Environmental Research and Public Health*, 19(9), 5164. <https://doi.org/10.3390/ijerph19095164>

2006	<i>Current opinion in psychiatry</i>	Liu X.	Buyse DJ.
2024	<i>Scientific Reports</i>	Liu, Y.	Marciano, L.
2024	<i>Scientific Reports</i>	Liu	Marciano
2020	<i>Body Image</i>	Livingston	Holland, Fardouly
2022	<i>Current Psychology</i>	Lo Coco	Salerno, Giordano, Blasi, Rodgers

Sleep and youth suicidal behavior: a neglected field.

Appnyme analysis reveals small or no associations between social media app-specific usage and adolescent well-being.

Appnyme analysis reveals small or no associations between social media app-specific usage and adolescent well-being

Exposing digital posing: The effect of social media self-disclaimercaptions on women's body dissatisfaction, mood, and impressions ofthe user

Understanding the smartphone generation: is problematic smartphone use associated with low body esteem among adolescent girls and boys?

Liu, X., & Buysse, D. J. (2006). Sleep and youth suicidal behavior: a neglected field. *Current opinion in psychiatry* , 19 (3), 288–293. <https://doi.org/10.1097/01.yco.0000218600.40593.18>

Liu, Y., & Marciano, L. (2024). Appnome analysis reveals small or no associations between social media app-specific usage and adolescent well-being. *Scientific Reports*, 14(1), 30836. <https://doi.org/10.1038/s41598-024-81665-8>

Liu, Y., & Marciano, L. (2024). Appnome analysis reveals small or no associations between social media app-specific usage and adolescent well-being. *Scientific Reports* , 14 (1). <https://doi.org/10.1038/s41598-024-81665-8>

Livingston, J., Holland, E., & Fardouly, J. (2020). Exposing digital posing: The effect of social media self-disclaimer captions on women’s body dissatisfaction, mood, and impressions of the user. *Body Image* , 32 , 150–154. <https://doi.org/10.1016/j.bodyim.2019.12.006>

Lo Coco, G., Salerno, L., Giordano, C. *et al.* (2022). Understanding the smartphone generation: is problematic smartphone use associated with low body esteem among adolescent girls and boys?. *Current Psychology* . 3173–3184 <https://doi.org/10.1007/s12144-020-00847-5>

2020	<i>Pediatrics.</i>	Lo, C.B.	Bridge, J. A., Shi, J., Ludwig, L., & Stanley, R. M.
2008	<i>Nature</i>	Logothetis, N. K.	N/A
2004	<i>Annual Review of Physiology</i>	Logothetis, N. K.	Wandell, B. A.
2016	<i>Philosophical Transactions of the Royal Society B: Biological Sciences</i>	Lohrenz, T.	Kishida, K. T., & Montague, P. R.
2020	<i>The International journal of eating disorders</i>	Lonergan, A. R.	Bussey, K., Fardouly, J., Griffiths, S., Murray, S. B., Hay, P., Mond, J., Trompeter, N., & Mitchison, D.

Children's Mental Health Emergency  
Department Visits: 2007-2016.

What we can do and what we cannot do with  
fMRI.

Interpreting the BOLD Signal.

BOLD and its connection to dopamine  
release in human striatum: A cross-cohort  
comparison.

Protect me from my selfie: Examining the  
association between photo-based social  
media behaviors and self-reported eating  
disorders in adolescence.



Lo, C. B., Bridge, J. A., Shi, J., Ludwig, L., & Stanley, R. M. (2020). Children's Mental Health Emergency Department Visits: 2007-2016. *Pediatrics*, 145 (6), e20191536. <https://doi.org/10.1542/peds.2019-1536>

Logothetis, N. K. (2008). What we can do and what we cannot do with fMRI. *Nature*, 453(7197), 869–878. <https://doi.org/10.1038/nature06976>

Logothetis, N. K., & Wandell, B. A. (2004). Interpreting the BOLD Signal. *Annual Review of Physiology*, 66(1), 735–769. <https://doi.org/10.1146/annurev.physiol.66.082602.092845>

Lohrenz, T., Kishida, K. T., & Montague, P. R. (2016). BOLD and its connection to dopamine release in human striatum: A cross-cohort comparison. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1705), 20150352. <https://doi.org/10.1098/rstb.2015.0352>

Lonergan, A. R., Bussey, K., Fardouly, J., Griffiths, S., Murray, S. B., Hay, P., Mond, J., Trompeter, N., & Mitchison, D. (2020). Protect me from my selfie: Examining the association between photo-based social media behaviors and self-reported eating disorders in adolescence. *The International journal of eating disorders*, 53 (5), 485–496.

2020	<i>Child and Youth Services Review</i>	Longobardi	Settanni, Fabris, Turin, Marengo
2021	<i>Global Business Review.</i>	López E.	Flecha J, Santos-Corrada M, Dones V.
2025	<i>Addictive Behaviors Reports</i>	Loscalzo, Y.	Giannini, M.
2002	<i>Nature Reviews Neuroscience</i>	Lotharius, J.	Brundin, P.
2021	<i>Body Image</i>	Lowe-Calverly	Grieve

Follow or be followed: Exploring the links between Instagram popularity, social media addiction, cyber victimization, and subjective happiness in Italian adolescents.

The Gratifications of Ephemeral Marketing Content, the Use of Snapchat by the Millennial Generation and Their Impact on Purchase Motivation.

Methodological issues in behavioral addictions' research: A call for an unbiased analysis of excessive behaviors.

Pathogenesis of parkinson's disease: Dopamine, vesicles and  $\alpha$ -synuclein.

Do the metrics matter? An experimental investigation of Instagraminfluencer effects on mood and body dissatisfaction

Longobardi, C., Settanni, M., Fabris, M. A., & Marengo, D. (2020). Follow or be followed: Exploring the links between Instagram popularity, social media addiction, cyber victimization, and subjective happiness in Italian adolescents. *Children and Youth Services Review* , 113 , 104955. <https://doi.org/10.1016/j.childyouth.2020.104955>

Lopez, E., Flecha-Ortiz, J. A., Santos-Corrada, M., & Dones, V. (2021). The Gratifications of Ephemeral Marketing Content, the Use of Snapchat by the Millennial Generation and Their Impact on Purchase Motivation. *Global Business Review* , 097215092110056. <https://doi.org/10.1177/09721509211005676>

Loscalzo, Y., & Giannini, M. (2025). Methodological issues in behavioral addictions' research: A call for an unbiased analysis of excessive behaviors. *Addictive Behaviors Reports*, 21, 100594. <https://doi.org/10.1016/j.abrep.2025.100594>

Lotharius, J., & Brundin, P. (2002). Pathogenesis of parkinson's disease: Dopamine, vesicles and  $\alpha$ -synuclein. *Nature Reviews Neuroscience*, 3(12), 932–942. <https://doi.org/10.1038/nrn983>

Lowe-Calverley, E., & Grieve, R. (2021). Do the metrics matter? An experimental investigation of Instagram influencer effects on mood and body dissatisfaction. *Body Image* , 36 , 1–4. <https://doi.org/10.1016/j.bodyim.2020.10.003>

2024	<i>Journal of Adolescence</i>	Lowthian	Fee, Wakeham, Clegg, Crick, & Anthony
2015	<i>Clinical Psychological Science</i>	Lu, J. T.	Kishida, K. T., De Asis-Cruz, J., Lohrenz, T., Treadwell-Deering, D., Beauchamp, M., & Montague, P. R.
2022	<i>Journal of Happiness Studies</i>	Luijten	van de Bongardt, & Nieboer
2017	<i>JAMA Psychiatry</i>	Luijten, M.	Schellekens, A. F., Kühn, S., Machielse, M. W. J., & Sescousse, G.
2010	<i>Brain and Cognition</i>	Luna, B.	Padmanabhan, A. & O'Hearn, K.

Identifying protective and risk behavior patterns of online communication in young people

Single-Stimulus Functional MRI Produces a Neural Individual Difference Measure for Autism Spectrum Disorder.

The Roles of Social Media Use and Friendship Quality in Adolescents' Internalizing Problems and Well-being

Disruption of Reward Processing in Addiction: An Image-Based Meta-analysis of Functional Magnetic Resonance Imaging Studies.

What has fMRI told us about the development of cognitive control through adolescence?

Lowthian, E., Fee, G., Wakeham, C., Clegg, Z., Crick, T., & Anthony, R. (2024). Identifying protective and risk behavior patterns of online communication in young people. *Journal of adolescence* , 96 (2), 235–250. <https://doi.org/10.1002/jad.12270>

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2013	<i>Current Directions in Psychological Science</i>	Luna, B.	Paulsen, D. J., Padmanabhan, A., & Geier, C.
2020	<i>Journal of Research in Childhood Education</i>	Luo	Liang, Li
2024	<i>PLOS Biology</i>	Luo, Y.	Lohrenz, T., Lumpkin, E. A., Montague, P. R., & Kishida, K. T.
2020	<i>Media, Culture &amp; Society.</i>	Lupinacci L.	N/A
2006	<i>PLoS medicine</i>	Lüscher, C.	Ungless, M. A.



The Teenage Brain: Cognitive Control and Motivation

The divergent roles of social media in adolescents' academic performance.

The expectations humans have of a pleasurable sensation asymmetrically shape neuronal responses and subjective experiences to hot sauce.

'Absentmindedly scrolling through nothing': liveness and compulsory continuous connectedness in social media.

The mechanistic classification of addictive drugs

Luna, B., Paulsen, D. J., Padmanabhan, A., & Geier, C. (2013). The Teenage Brain: Cognitive Control and Motivation. *Current Directions in Psychological Science*, 22(2), 94–100. <https://doi.org/10.1177/0963721413478416>

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2020	<i>Nat Rev Neurosci</i>	Lüscher, C.	Robbins, T.W. & Everitt, B.J.
2022	<i>Media Psychology</i>	Lutz	N/A
2020	<i>Media Psychology</i>	Lutz	Schneider
2007	<i>The Journal of Urology</i>	Macchia, R. J.	Termine, J. E. & Buchen, C. D.
2021	<i>Acta Psychologica</i>	MacDonald	Schermer

The transition to compulsion in addiction

Why Don't You Answer Me?! Exploring the Effects of (Repeated Exposure to) Ostracism via Messengers on Users' Fundamental Needs, Well-Being, and Coping Motivation

Is receiving Dislikes in social media still better than being ignored? The effects of ostracism and rejection on need threat and coping responses online

Raymond V. Damadian, M.D.: magnetic resonance imaging and the controversy of the 2003 Nobel Prize in Physiology or Medicine

Loneliness unlocked: Associations with smartphone use and personality

Lüscher, C., Robbins, T.W. & Everitt, B.J. The transition to compulsion in addiction. *Nat Rev Neurosci* 21, 247–263 (2020). <https://doi.org/10.1038/s41583-020-0289-z>

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Lutz, S., & Schneider, F. M. (2020). Is receiving Dislikes in social media still better than being ignored? The effects of ostracism and rejection on need threat and coping responses online. *Media Psychology*, 24 (6), 741–765. <https://doi.org/10.1080/15213269.2020.1799409>

Macchia, R. J., Termine, J. E., & Buchen, C. D. (2007). Raymond V. Damadian, M.D.: magnetic resonance imaging and the controversy of the 2003 Nobel Prize in Physiology or Medicine. *The Journal of Urology*, 178(3 Pt 1), 783–785.  
<https://doi.org/10.1016/j.juro.2007.05.019>

MacDonald, K. B., & Schermer, J. A. (2021). Loneliness unlocked: Associations with smartphone use and personality. *Acta Psychologica*, 221, 103454.  
<https://doi.org/10.1016/j.actpsy.2021.103454>

2021	<i>JAMA Pediatr.</i>	Macnow, T.	Curran, T.; Tolliday, C.; M
2025	<i>Social Science &amp; Medicine</i>	Mader, S.	Costantini, D., Fahr, A., Jordan, M.D.
2022	<i>Journal of Children and Media</i>	Maes	de Lenne
2022	<i>Body Image</i>	Maes	Vandenbosch
2023	<i>Journal of Children and Media</i>	Maftai	Diaconu-Gherasim

Effect of Screen Time on Recovery from Concussion

The effect of social media use on adolescents' subjective well-being: Longitudinal evidence from Switzerland

Filters and fillers: Belgian adolescents' filter use on social media and the acceptance of cosmetic surgery

Adolescent girls' Instagram and TikTok use: Examining relations with body image-related constructs over time using random intercept cross-lagged panel models

The road to addiction (might be) paved with good intentions: Motives for social media use and psychological distress among early adolescents.

Macnow, T., Curran, T., Tolliday, C., Martin, K., McCarthy, M., Ayturk, D., Babu, K. M., & Mannix, R. (2021). Effect of Screen Time on Recovery From Concussion: A Randomized Clinical Trial. *JAMA pediatrics* , 175 (11), 1124–1131.  
<https://doi.org/10.1001/jamapediatrics.2021.2782>

Mader, S., Costantini, D., Fahr, A., & Jordan, M. D. (2025). The effect of social media use on adolescents' subjective well-being: Longitudinal evidence from Switzerland. *Social science & medicine* (1982) , 365 , 117595. <https://doi.org/10.1016/j.socscimed.2024.117595>

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<https://doi.org/10.1080/17482798.2023.2255304>



2022	<i>Journal of Affective Disorders</i>	Mahalingham	Howell, & Clarke
2023	<i>Journal of Behavior Therapy and Experimental Psychiatry</i>	Mahalingham, T.	Howell, J., & Clarke, P. J.
2023	<i>Computers in Human Behavior</i>	Mahalingham, T.	McEvoy, P. M., & Clarke, P. J. F.
2024	<i>Advance Online Publication</i>	Maheux, A. J.*	Burnell, K.*, Maza, M. T., Fox, K. A., Telzer, E. H., & Prinstein, M. J.
2024	<i>Child Development Perspectives</i>	Maheux, A. J.	†Garrett, S. L., †Fox, K. A., †Field, N. H., Burnell, K., Telzer, E. H., & Prinstein, M. J.

Attention control moderates the relationship between social media use and psychological distress

Assessing the effects of acute reductions in mobile device social media use on anxiety and sleep

Assessing the validity of self-report social media use: Evidence of No relationship with objective smartphone use.

Annual research review: Adolescent social media use is not a monolith: Towards the study of specific social media components and individual differences

Adolescent social gaming as a form of social media: A call for developmental science

Mahalingham, T., Howell, J., & Clarke, P. J. F. (2022). Attention control moderates the relationship between social media use and psychological distress. *Journal of Affective Disorders* , 297 , 536–541. <https://doi.org/10.1016/j.jad.2021.10.071>

Mahalingham, T., Howell, J., & Clarke, P. J. F. (2023). Assessing the effects of acute reductions in mobile device social media use on anxiety and sleep. *Journal of Behavior Therapy and Experimental Psychiatry* , 78 , 101791. <https://doi.org/10.1016/j.jbtep.2022.101791>

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Maheux, A. J.\*, Burnell, K.\*, Maza, M. T., Fox, K. A., Telzer, E. H., & Prinstein, M. J. (2024). Annual research review: Adolescent social media use is not a monolith: Towards the study of specific social media components and individual differences. *Advance Online Publication*.

Maheux, A. J., †Garrett, S. L., †Fox, K. A., †Field, N. H., Burnell, K., Telzer, E. H., & Prinstein, M. J. (2024). Adolescent social gaming as a form of social media: A call for developmental science. *Child Development Perspectives*. *Advance Online Publication*.

2024	<i>Developmental Psychology</i>	Maheux, A. J.	Burnell, K., & Choukas-Bradley, S.
2024	<i>Journal of Youth and Adolescence</i>	Maheux	Laurenceau, Roberts, Nesi, Widman, & Choukas-Bradley
(in press)	<i>Annals of the New York Academy</i>	Maheux, A. J.	Maes, C., Burnell, K., Bauer, D. J., Prinstein, M. J., & Telzer, E. H.
2022	<i>Journal of Adolescence</i>	Maheux	Roberts, Nesi, Widman, Choukas-Bradley
(in press)	<i>Journal of Child Psychology and Psychiatry</i>	Maheux, A.J.	Burnell, K., Maza M.T†., Fox, K.A†., Telzer, E.H., & Prinstein, M.J.

Bidirectional associations between online and offline appearance concerns among early-to-middle adolescents

Longitudinal Change in Appearance-Related Social Media Consciousness and Depressive Symptoms: A Within-Person Analysis during Early-to-Middle Adolescence

Social media are many things: Addressing the components and patterns of adolescent social media use

Longitudinal associations between appearance-related social media consciousness and adolescents' depressive symptoms

Annual Research Review: Adolescent social media use is not a monolith: toward the study of specific social media components and individual differences

Maheux, A. J., Burnell, K., & Choukas-Bradley, S. (2024). Bidirectional associations between online and offline appearance concerns among early-to-middle adolescents. *Developmental Psychology*, 60 , 1885-1901.

Maheux, A. J., Laurenceau, J.-P., Roberts, S. R., Nesi, J., Widman, L., & Choukas-Bradley, S. (2024). Longitudinal Change in Appearance-Related Social Media Consciousness and Depressive Symptoms: A Within-Person Analysis during Early-to-Middle Adolescence. *Journal of Youth and Adolescence* . <https://doi.org/10.1007/s10964-024-01998-5>

Maheux, A. J., Maes, C., Burnell, K., Bauer, D. J., Prinstein, M. J., & Telzer, E. H. (in press). Social media are many things: Addressing the components and patterns of adolescent social media use. *Annals of the New York Academy of Sciences* .

Maheux, A. J., Roberts, S. R., Nesi, J., Widman, L., & Choukas-Bradley, S. (2022). Longitudinal associations between appearance-related social media consciousness and adolescents' depressive symptoms. *Journal of Adolescence* , 94 (2), 264–269. <https://doi.org/10.1002/jad.12009>

Maheux, A.J., Burnell, K., Maza M.T†., Fox, K.A†., Telzer, E.H., & Prinstein, M.J. (in press). Annual Research Review: Adolescent social media use is not a monolith: toward the study of specific social media components and individual differences. *Journal of Child Psychology and Psychiatry*. <https://doi.org/10.1111/jcpp.14085>

(in press)	<i>Annals of the New York Academy of Sciences</i>	Maheux, A.J.	Maes, C., Burnell, K., Bauer, D.J., Prinstein, M.J., & Telzer, E.H.
2025	<i>Child Development Perspectives</i>	Maheux, A.J.	Garrett, S.L <sup>†</sup> ., Fox, K.A <sup>†</sup> ., Field, N.H <sup>†</sup> ., Burnell, K., Telzer, E.H., & Prinstein, M.J.
2021	<i>Frontiers in Psychology</i>	Mahon	Hevey
2022	<i>Journal of Adolescence</i>	Maksniemi	Hietajarvi, Ketonen, Lonka, Puukko, Salmela-Aro
2015	<i>Sex Roles</i>	Manago	Ward, Lemm, Reed, Seabrook

Social media are many things: addressing the components and patterns of adolescent social media use

Adolescent social gaming as a form of social media: A call for developmental science

Processing Body Image on Social Media: Gender Differences in Adolescent Boys' and Girls' Agency and Active Coping

Intraindividual associations between active social media use, exhaustion, and bedtime vary according to age—A longitudinal study across adolescence

Facebook Involvement, Objectified Body Consciousness, Body Shame, and Sexual Assertiveness in College Women and Men



Maheux, A.J., Maes, C., Burnell, K., Bauer, D.J., Prinstein, M.J., & Telzer, E.H. (in press). Social media are many things: addressing the components and patterns of adolescent social media use. *Annals of the New York Academy of Sciences*.

Maheux, A.J., Garrett, S.L†., Fox, K.A†., Field, N.H†., Burnell, K., Telzer, E.H., & Prinstein, M.J. (2025). Adolescent social gaming as a form of social media: A call for developmental science. *Child Development Perspectives*, 19, 3-13. <http://dx.doi.org/10.1111/cdep.12518>

Mahon, C., & Hevey, D. (2021). Processing Body Image on Social Media: Gender Differences in Adolescent Boys' and Girls' Agency and Active Coping. *Frontiers in Psychology*, 12. <https://doi.org/10.3389/fpsyg.2021.626763>

Maksniemi, E., Hietajärvi, L., Ketonen, E. E., Lonka, K., Puukko, K., & Salmela-Aro, K. (2022). Intraindividual associations between active social media use, exhaustion, and bedtime vary according to age—A longitudinal study across adolescence. *Journal of Adolescence*, 94 (3), 401–414. <https://doi.org/10.1002/jad.12033>

Manago, A. M., Ward, L. M., Lemm, K. M., Reed, L., & Seabrook, R. (2015). Facebook Involvement, Objectified Body Consciousness, Body Shame, and Sexual Assertiveness in College Women and Men. *Sex Roles*, 72 (1-2), 1–14. <https://doi.org/10.1007/s11199-014-0441-1>

2002	<i>Journal of Neurobiology</i>	Mansvelder, H. D.	McGehee, D. S.
2020	<i>Psychology of Popular Media</i>	Manuoğlu	Uysal
2023	<i>European Journal of Health Communication</i>	Marciano	Albanese, Viswanath, & Camerini
2022	<i>Computers in Human Behavior</i>	Marciano	Schulz, Camerini
2018	<i>Computers in Human Behavior</i>	Marengo	Longobardi, Fabris, Settani

Cellular and synaptic mechanisms of nicotine addiction.

Motivation for Different Facebook Activities and Well-Being: A Daily Experience Sampling Study

The Protective Role of Social Oriented Digital Media Use in Children's and Adolescents' Life Satisfaction During the Covid-19 Pandemic

How do depression, duration of internet use and social connection in adolescence influence each other over time? An extension of the RI-CLPM including contextual factors

Highly-visual social media and internalizing symptoms in adolescence: The mediating role of body image concerns

Mansvelder, H. D., & McGehee, D. S. (2002). Cellular and synaptic mechanisms of nicotine addiction. *Journal of Neurobiology*, 53(4), 606–617. <https://doi.org/10.1002/neu.10148>

Manuoğlu, E., & Uysal, A. (2020). Motivation for different Facebook activities and well-being: A daily experience sampling study. *Psychology of Popular Media*, 9(4), 456–464. <https://doi.org/10.1037/ppm0000262>

Marciano, L., Albanese, E., Viswanath, K., & Camerini, A.-L. (2023). The Protective Role of Social-Oriented Digital Media Use in Children’s and Adolescents’ Life Satisfaction During the Covid-19 Pandemic. *European Journal of Health Communication*, 4 (1), 1–27. <https://doi.org/10.47368/ejhc.2023.101>

Marciano, L., Schulz, P. J., & Camerini, A.-L. (2022). How do depression, duration of internet use and social connection in adolescence influence each other over time? An extension of the RI-CLPM including contextual factors. *Computers in Human Behavior*, 136, 107390. <https://doi.org/10.1016/j.chb.2022.107390>

Marengo, D., Longobardi, C., Fabris, M. A., & Settanni, M. (2018). Highly-visual social media and internalizing symptoms in adolescence: The mediating role of body image concerns. *Computers in Human Behavior*, 82 (82), 63–69. <https://doi.org/10.1016/j.chb.2018.01.003>

2024	<i>Cyberpsychology, Behavior, and Social Networking</i>	Marengo	Quilghini, Ricci, & Settanni
2018	<i>Educational Psychology Review</i>	Marker	Gnambs, Appel
2022	<i>Body Image</i>	Markey	Daniels
2024	<i>Journal of Media Psychology</i>	Markey	August, Gillen, & Rosenbaum
2010	<i>Journal of Youth and Adolescence</i>	Markey, C. N.	N/A

Instagram Stories Unveiled: Exploring Links with Psychological Distress, Personality, and Gender

Active on Facebook and Failing at School? Meta-Analytic Findings on the Relationship Between Online Social Networking Activities and Academic Achievement

An examination of preadolescent girls' social media use and body image: Type of engagement may matter most

An Examination of Youths' Social Media Use and Body Image: Considering TikTok, Snapchat, and Instagram

Invited commentary: Why body image is important to adolescent development

Marengo, D., Quilghini, F., Ricci, G., & Settanni, M. (2024). Instagram Stories Unveiled: Exploring Links with Psychological Distress, Personality, and Gender. *Cyberpsychology, Behavior, and Social Networking*. <https://doi.org/10.1089/cyber.2023.0316>

Marker, C., Gnambs, T. & Appel, M. (2018). Active on Facebook and Failing at School? Meta-Analytic Findings on the Relationship Between Online Social Networking Activities and Academic Achievement. *Educational Psychology Review*, 30, 651–677  
<https://doi.org/10.1007/s10648-017-9430-6>

Markey, C. H., & Daniels, E. A. (2022). An examination of preadolescent girls' social media use and body image: Type of engagement may matter most. *Body Image*, 42, 145–149.  
<https://doi.org/10.1016/j.bodyim.2022.05.005>

Markey, C. H., August, K. J., Gillen, M. M., & Rosenbaum, D. L. (2024). An Examination of Youths' Social Media Use and Body Image. *Journal of Media Psychology*, 37(1).  
<https://doi.org/10.1027/1864-1105/a000420>

Markey, C. N. (2010). Invited commentary: Why body image is important to adolescent development. *Journal of Youth and Adolescence*, 39(12), 1387–1391.  
<https://doi.org/10.1007/s10964-010-9510-0>

2023	<i>Body Image</i>	Martin	Portingale, Fuller-Tyzkiewicz, Krug
2024	<i>Bulletin of Technology and Public Life</i>	Marwick, A.	Smith, J., Caplan, R., & Wadhawan. M.
2021	<i>Journal of Attention Disorders</i>	Marx, I.	Hacker, T., Yu, X., Cortese, S., & Sonuga-Barke, E.
2022	<i>Journal of Clinical Child &amp; Adolescent Psychology</i>	Massing-Schaffer, M.	Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J.
2009	<i>Social Cognitive and Affective Neuroscience</i>	Masten, C. L.	Eisenberger, N. I., Borofsky, L. A., Pfeifer, J. H., McNealy, K., Mazziotta, J. C., & Dapretto, M.



Do appearance comparisons mediate the effects of thinspiration and fitspiration on body dissatisfaction, happiness, and disordered eating urges in women's daily lives?
"Child Online Safety Legislation: A Primer."
ADHD and the Choice of Small Immediate Over Larger Delayed Rewards: A Comparative Meta-Analysis of Performance on Simple Choice-Delay and Temporal Discounting Paradigms
Adolescent peer experiences and prospective suicidal ideation: The protective role of online only friendships
Neural correlates of social exclusion during adolescence: understanding the distress of peer rejection

Martin, G., Portingale, J., Fuller-Tyszkiewicz, M., & Krug, I. (2023). Do appearance comparisons mediate the effects of thinspiration and fitspiration on body dissatisfaction, happiness, and disordered eating urges in women's daily lives? *Body Image* , 46 , 108–116. <https://doi.org/10.1016/j.bodyim.2023.05.006>

Marwick, A., Smith, J., Caplan, R., & Wadhawan. M. (2024). "Child Online Safety Legislation: A Primer." Bulletin of Technology and Public Life. University of North Carolina at Chapel Hill. 10.21428/bfcb0bff.de78f444.

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Massing-Schaffer, M., Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (2022). Adolescent peer experiences and prospective suicidal ideation: The protective role of online only friendships. *Journal of Clinical Child & Adolescent Psychology* , 51, 49-60. <https://doi.org/10.1080/15374416.2020.1750019>

Masten, C. L., Eisenberger, N. I., Borofsky, L. A., Pfeifer, J. H., McNealy, K., Mazziotta, J. C., & Dapretto, M. (2009). Neural correlates of social exclusion during adolescence: understanding the distress of peer rejection. *Social Cognitive and Affective Neuroscience* , 4(2), 143–157. <https://doi.org/10.1093/scan/nsp007>

2010	<i>Social Neuroscience</i>	Masten, C. L.	Eisenberger, N. I., Pfeifer, J. H., & Dapretto, M.
2011	<i>Journal of Cognitive Neuroscience</i>	Masten, C.L.	Telzer, E.H. & Eisenberger, N.I.
2012	<i>Social, Cognitive, Affective Neuroscience</i>	Masten, C.L.	Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Eisenberger, N.I.
2009	<i>Journal of Neuroscience</i>	Matsuda, W.	Furuta, T., Nakamura, K. C., Hioki, H., Fujiyama, F., Arai, R., & Kaneko, T.
2012	<i>Psychology &amp; Neuroscience</i>	Matta, A. da,	Gonçalves, F. L. & Bizarro, L.

Witnessing peer rejection during early adolescence: neural correlates of empathy for experiences of social exclusion

An fMRI investigation of attributing negative social treatment to racial discrimination

Time spent with friends in adolescence relates to less neural sensitivity to later peer rejection

Single Nigrostriatal Dopaminergic Neurons Form Widely Spread and Highly Dense Axonal Arborizations in the Neostriatum.

Delay discounting: Concepts and measures

Masten, C. L., Eisenberger, N. I., Pfeifer, J. H., & Dapretto, M. (2010). Witnessing peer rejection during early adolescence: neural correlates of empathy for experiences of social exclusion. *Social Neuroscience*, 5(5–6), 496–507.  
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Matsuda, W., Furuta, T., Nakamura, K. C., Hioki, H., Fujiyama, F., Arai, R., & Kaneko, T. (2009). Single Nigrostriatal Dopaminergic Neurons Form Widely Spread and Highly Dense Axonal Arborizations in the Neostriatum. *Journal of Neuroscience*, 29(2), 444–453.  
<https://doi.org/10.1523/JNEUROSCI.4029-08.2009>

Matta, A. da, Gonçalves, F. L., & Bizarro, L. (2012). Delay discounting: Concepts and measures. *Psychology & Neuroscience*, 5(2), 135–146.  
<https://doi.org/10.3922/j.psns.2012.2.03>

2023	<i>JAMA Pediatrics</i>	Maza, M. T.	Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H.
2023	<i>JAMA pediatrics</i>	Maza, M.T.	Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H.
2023	<i>JAMA Pediatrics</i>	Maza, M. T.	Fox, K. A., Kwon, S.-J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H.
2023	<i>JAMA Pediatrics</i>	Maza, M.T†.	Fox, K.A†., Kwon, S†., Flannery, J.E†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H.
2023	<i>Translational Issues in Psychological Science</i>	Maza, M.T†.	Hulka, A., Telzer, E.H.

Association of habitual checking behaviors on social media with longitudinal functional brain development.

Association of Habitual Checking Behaviors on Social Media With Longitudinal Functional Brain Development.

Association of habitual checking behaviors on social media with longitudinal functional brain development

Habitual checking behaviors on social media relate to longitudinal functional brain development

The broken pipeline: Challenges in disseminating research on adolescent digital media use

Maza, M. T., Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2023). Association of habitual checking behaviors on social media with longitudinal functional brain development. *JAMA Pediatrics*, 177(2), 160-167.

Maza, M. T., Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2023). Association of Habitual Checking Behaviors on Social Media With Longitudinal Functional Brain Development. *JAMA pediatrics* , 177 (2), 160–167. <https://doi.org/10.1001/jamapediatrics.2022.4924>

Maza, M. T., Fox, K. A., Kwon, S.-J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2023). Association of habitual checking behaviors on social media with longitudinal functional brain development. *JAMA Pediatrics* , 177(2), 160–167. <https://doi.org/10.1001/jamapediatrics.2022.4924>

Maza, M.T., Fox, K.A., Kwon, S., Flannery, J.E., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Habitual checking behaviors on social media relate to longitudinal functional brain development. *JAMA Pediatrics*, 177, 160-167. <https://doi.org/10.1001/jamapediatrics.2022.4924>

Maza, M.T., Hulka, A., Telzer, E.H. (2023). The broken pipeline: Challenges in disseminating research on adolescent digital media use. *Translational Issues in Psychological Science*, 9, 238-246. <https://doi.org/10.1037/tps0000369>



2024	<i>Developmental Cognitive Neuroscience</i>	Maza, M.T†.	Kwon, S†., Jorgensen, N.A†., Capella, J†., Lindquist, K., Prinstein, M.J., & Telzer, E.H.
2021	<i>Research on Child and Adolescent Psychopathology</i>	McAllister	Hisler, Blake, Twenge, Hamilton
2020	<i>Frontiers for Young Minds.</i>	Mcbride, M.	Telzer, E. H.
2020	<i>Frontiers for Young Minds</i>	McBride, M†.	Telzer, E.H.
2024	<i>Journal of Child and Family Studies</i>	McClellan, L.M.	Fry, C.M., Telzer, E.H., & Rogers, C.R.

Neurobiological sensitivity to popular peers moderates daily links between social media use and daily affect

Associations Between Adolescent Depression and Self-Harm Behaviors and Screen Media Use in a Nationally Representative Time-Diary Study

Why Are Some Kids More Sensitive to Their Environments?

Why are some kids more sensitive to their environments?

Exploring family obligation as a buffer between parental differential treatment and sibling hostility

Maza, M.T†., Kwon, S†., Jorgensen, N.A†., Capella, J†., Lindquist, K., Prinstein, M.J., & Telzer, E.H. (2024). Neurobiological sensitivity to popular peers moderates daily links between social media use and daily affect. *Developmental Cognitive Neuroscience*, 64, 101335. <https://doi.org/10.1016/j.dcn.2023.101335> [preregistration]

McAllister, C., Hisler, G. C., Blake, A. B., Twenge, J. M., Farley, E., & Hamilton, J. L. (2021). Associations Between Adolescent Depression and Self-Harm Behaviors and Screen Media Use in a Nationally Representative Time-Diary Study. *Research on Child and Adolescent Psychopathology*, 49. <https://doi.org/10.1007/s10802-021-00832-x>

Mcbride, M., & Telzer, E. H. (2020, September 8). Why Are Some Kids More Sensitive to Their Environments? *Frontiers for Young Minds*.

McBride, M†., & Telzer, E.H. (2020). Why are some kids more sensitive to their environments? *Frontiers for Young Minds*, 8, 1-7. <https://doi:10.3389/frym.2020.00113>

McClellan, L.M., Fry, C.M., Telzer, E.H., & Rogers, C.R. (2024). Exploring family obligation as a buffer between parental differential treatment and sibling hostility. *Journal of Child and Family Studies*, 33, 2746–2757. <https://doi.org/10.1007/s10826-024-02814-1>

2023	<i>Media Psychology</i>	McComb	C. A., Vanman, E. J., Tobin
2021	<i>Body Image</i>	McComb	Mills
2022	<i>Body Image</i>	McComb	Mills
2021	<i>Body Image</i>	McComb	Gobin, Mills
2021	<i>Neuroimage</i>	McCormick, E. M.	Peters, S., Crone, E. A., & Telzer, E. H.

A Meta-Analysis of the Effects of Social Media Exposure to Upward Comparison

Young women's body image following upwards comparison to Instagram models: The role of physical appearance perfectionism and cognitive emotion regulation

The effect of physical appearance perfectionism and social comparison to thin-, slim-thick-, and fit-ideal Instagram imagery on young women's body image

The effects of self-disclaimer Instagram captions on young women's mood and body image: The moderating effect of participants' own photo manipulation practices

Longitudinal network re-organization across learning and development

McComb, C. A., Vanman, E. J., & Tobin, S. J. (2023). A Meta-Analysis of the Effects of Social Media Exposure to Upward Comparison Targets on Self-Evaluations and Emotions. *Media Psychology*, 26 (5), 612–635.  
<https://doi.org/10.1080/15213269.2023.2180647>

McComb, S. E., & Mills, J. S. (2021). Young women's body image following upwards comparison to Instagram models: The role of physical appearance perfectionism and cognitive emotion regulation. *Body Image*, 38 (38), 49–62. <https://doi.org/10.1016/j.bodyim.2021.03.012>

McComb, S. E., & Mills, J. S. (2022). The Effect of Physical Appearance Perfectionism and Social Comparison to thin-, slim-thick-, and fit-ideal Instagram Imagery on Young Women's Body Image. *Body Image*, 40 (40), 165–175. <https://doi.org/10.1016/j.bodyim.2021.12.003>

McComb, S. E., Gobin, K. C., & Mills, J. S. (2021). The effects of self-disclaimer Instagram captions on young women's mood and body image: The moderating effect of participants' own photo manipulation practices. *Body Image*, 38, 251–261.  
<https://doi.org/10.1016/j.bodyim.2021.04.011>

McCormick, E. M., Peters, S., Crone, E. A., & Telzer, E. H. (2021). Longitudinal network re-organization across learning and development. *Neuroimage*, 229, 117784.  
<https://doi.org/10.1016/j.neuroimage.2021.117784>

2017	<i>Frontiers in Human Neuroscience</i>	McCormick, E. M.	Qu, Y. & Telzer, E. H.
2017	<i>Journal of Cognitive Neuroscience</i>	McCormick, E.M†.	Telzer, E.H.
2017	<i>NeuroImage</i>	McCormick, E.M†.	Telzer, E.H.
2018	<i>Journal of Cognitive Neuroscience</i>	McCormick, E.M†.	Telzer, E.H.
2018	<i>Scientific Reports</i>	McCormick, E.M†.	Telzer, E.H.

Activation in Context: Differential  
Conclusions Drawn from Cross-Sectional  
and Longitudinal Analyses of Adolescents'  
Cognitive Control-Related Neural Activity

Adaptive adolescent flexibility:  
Neurodevelopment of decision-making and  
learning in a risky context

Failure to retreat: Blunted sensitivity to  
negative feedback supports risky behavior in  
adolescents

Not doomed to repeat: Enhanced medial  
prefrontal cortex tracking of errors promotes  
adaptive behavior during adolescence

Contributions of default mode network  
stability and deactivation to adolescent task  
engagement



McCormick, E. M., Qu, Y., & Telzer, E. H. (2017). Activation in Context: Differential Conclusions Drawn from Cross-Sectional and Longitudinal Analyses of Adolescents' Cognitive Control-Related Neural Activity. *Frontiers in Human Neuroscience* , 11, 141. <https://doi.org/10.3389/fnhum.2017.00141>

McCormick, E.M†. & Telzer, E.H. (2017). Adaptive adolescent flexibility: Neurodevelopment of decision-making and learning in a risky context. *Journal of Cognitive Neuroscience* , 29, 413-423. [https://doi.org/10.1162/jocn\\_a\\_01061](https://doi.org/10.1162/jocn_a_01061)

McCormick, E.M†. & Telzer, E.H. (2017). Failure to retreat: Blunted sensitivity to negative feedback supports risky behavior in adolescents. *NeuroImage* , 147, 381-389. <https://doi.org/10.1016/j.neuroimage.2016.12.041>

McCormick, E.M†. & Telzer, E.H. (2018). Not doomed to repeat: Enhanced medial prefrontal cortex tracking of errors promotes adaptive behavior during adolescence. *Journal of Cognitive Neuroscience* , 30, 281-289. [https://doi.org/10.1162/jocn\\_a\\_01206](https://doi.org/10.1162/jocn_a_01206)

McCormick, E.M†., & Telzer, E.H. (2018). Contributions of default mode network stability and deactivation to adolescent task engagement. *Scientific Reports* , 8, 18049. <https://doi.org/10.1038/s41598-018-36269-4>

2019	<i>Neuroimage</i>	McCormick, E.M†.	Gates, K. & Telzer, E.H.
2019	<i>International Journal of Developmental Neuroscience</i>	McCormick, E.M†.	McElwain, N.L. & Telzer, E.H.
2018	<i>Developmental Cognitive Neuroscience</i>	McCormick, E.M†.	Perino, M.T†. & Telzer, E.H.
2021	<i>Neuroimage</i>	McCormick, E.M†.	Peters, S. Crone, E.A., & Telzer, E.H.
2016	<i>NeuroImage</i>	McCormick, E.M†.	Qu, Y†. & Telzer, E.H.

Model-based network discovery of developmental and performance-related differences during risky decision-making
Alterations in adolescent dopaminergic systems as a function of early mother-toddler attachment: a prospective longitudinal examination
Not just social sensitivity: Adolescent neural suppression of social feedback during risk taking
Longitudinal network re-organization across learning and development
Adolescent neurodevelopment of cognitive control and risk-taking in negative family contexts

McCormick, E.M†., Gates, K., & Telzer, E.H. (2019). Model-based network discovery of developmental and performance-related differences during risky decision-making. *Neuroimage* , 188, 456-464. <https://doi.org/10.1016/j.neuroimage.2018.12.042>

McCormick, E.M†., McElwain, N.L., & Telzer, E.H. (2019). Alterations in adolescent dopaminergic systems as a function of early mother-toddler attachment: a prospective longitudinal examination. *International Journal of Developmental Neuroscience* , 78, 122-129. <https://doi.org/10.1016/j.ijdevneu.2019.06.010>

McCormick, E.M†., Perino, M.T†., & Telzer, E.H. (2018). Not just social sensitivity: Adolescent neural suppression of social feedback during risk taking. *Developmental Cognitive Neuroscience* , 30, 134-141. <https://doi.org/10.1016/j.dcn.2018.01.012>

McCormick, E.M†., Peters, S. Crone, E.A., & Telzer, E.H. (2021). Longitudinal network re-organization across learning and development. *Neuroimage* , 229, 117784. <https://doi.org/10.1016/j.neuroimage.2021.117784>

McCormick, E.M†., Qu, Y†., & Telzer, E.H. (2016). Adolescent neurodevelopment of cognitive control and risk-taking in negative family contexts. *NeuroImage* , 124, 989-996. <https://doi.org/10.1016/j.neuroimage.2015.09.063>

2017	<i>Frontiers in Human Neuroscience</i>	McCormick, E.M†.	Qu, Y†. & Telzer, E.H.
2018	<i>Social Cognitive and Affective Neuroscience</i>	McCormick, E.M†.	van Hoorn, J†., Cohen, J.R., & Telzer, E.H.
2020	<i>Neuroimage</i>	McIlvain, G.	Clements, R.G., Magoon, E.M., Speilberg, J.M., Telzer, E.H., & Johnson, C.L.
2018	<i>Developmental Cognitive Neuroscience</i>	McIlvain, G.	Schwarb, A., Cohen N.J., Telzer, E.H., & Johnson, C.L.
2015	<i>The International journal of eating disorders</i>	McLean, S.A.	Paxton, S. J., Wertheim, E. H., & Masters, J.

Activation in context: Differential conclusions drawn from cross-sectional and longitudinal analyses of adolescents' cognitive control-related neural activity

Functional connectivity in the social brain across childhood and adolescence

Viscoelasticity of reward and control systems in adolescent risk taking

Mechanical properties of the in vivo adolescent human brain

Photoshopping the selfie: Self photo editing and photo investment are associated with body dissatisfaction in adolescent girls.

McCormick, E.M†., Qu, Y†., & Telzer, E.H. (2017). Activation in context: Differential conclusions drawn from cross-sectional and longitudinal analyses of adolescents' cognitive control-related neural activity. *Frontiers in Human Neuroscience* , 11, 1-11. <https://doi.org/10.3389/fnhum.2017.00141>

McCormick, E.M†., van Hoorn, J†., Cohen, J.R., & Telzer, E.H. (2018). Functional connectivity in the social brain across childhood and adolescence. *Social Cognitive and Affective Neuroscience* , 13, 819-830. <https://doi.org/10.1093/scan/nsy064>

McIlvain, G., Clements, R.G., Magoon, E.M., Speilberg, J.M., Telzer, E.H., & Johnson, C.L. (2020). Viscoelasticity of reward and control systems in adolescent risk taking. *Neuroimage* , 215, 116850. <https://doi.org/10.1016/j.neuroimage.2020.116850>

McIlvain, G., Schwarb, A., Cohen N.J., Telzer, E.H., & Johnson, C.L. (2018). Mechanical properties of the in vivo adolescent human brain. *Developmental Cognitive Neuroscience* , 34, 27-33. <https://doi.org/10.1016/j.dcn.2018.06.001>

McLean, S. A., Paxton, S. J., Wertheim, E. H., & Masters, J. (2015). Photoshopping the selfie: Self photo editing and photo investment are associated with body dissatisfaction in adolescent girls. *The International journal of eating disorders* , 48 (8), 1132–1140. <https://doi.org/10.1002/eat.22449>

2022	<i>European Child &amp; Adolescent Psychiatry</i>	McLean, S. A.	Rodgers, R. F., Slater, A., Jarman, H. K., Gordon, C. S., & Paxton, S. J.
2017	<i>Nature and Science of Sleep</i>	Medic, G.	Wille, M. & Hemels, M. E.
2020	<i>Communication Research</i>	Meier, A.	et. al.
2018	<i>Journal of youth and adolescence</i>	Meier, A.	Hartmann, B. S., & Larson, R.
2021	N/A	Melattinkara, S.	N/A



Clinically significant body dissatisfaction: prevalence and association with depressive symptoms in adolescent boys and girls

Short- and long-term health consequences of sleep disruption

Communication Research

A quarter century of participation in school-based extracurricular activities: Inequalities by race, class, gender and age?

Smart Devices in Classrooms and Academic Performance: A Causal-Comparative Study of Academic Performance at Los Angeles Area High Schools [Doctoral dissertation]

McLean, S. A., Rodgers, R. F., Slater, A., Jarman, H. K., Gordon, C. S., & Paxton, S. J. (2022). Clinically significant body dissatisfaction: prevalence and association with depressive symptoms in adolescent boys and girls. *European Child & Adolescent Psychiatry* , 31(12), 1921–1932. <https://doi.org/10.1007/s00787-021-01824-4>

Medic, G., Wille, M., & Hemels, M. E. (2017). Short- and long-term health consequences of sleep disruption. *Nature and Science of Sleep* , 9, 151–161. <https://doi.org/10.2147/NSS.S134864>

Meier, A. et. al. (2020). Computer-Mediated Communication, Social Media, and Mental Health: A Conceptual and Empirical Meta-Review. *Communication Research* , 48 (8), 1182-1209. <https://doi.org/10.1177/0093650220958224> .

Meier, A., Hartmann, B. S., & Larson, R. (2018). A quarter century of participation in school-based extracurricular activities: Inequalities by race, class, gender and age?. *Journal of youth and adolescence*, 47, 1299-1316.

Melattinkara, S. (2021). Smart Devices in Classrooms and Academic Performance: A Causal-Comparative Study of Academic Performance at Los Angeles Area High Schools [Doctoral dissertation]. Northcentral University.

2018	<i>Indian journal of psy</i>	Memon AM.	Sharma SG, Mohite SS, Jain S.
2013	<i>Journal of Caffeine Research</i>	Meredith, S. E.	Juliano, L. M., Hughes, J. R., & Griffiths, R. R.
2017	<i>Clinical Neuropsychiatry: Journal of Treatment Evaluation</i>	Mérelle, S. Y. M.	Kleiboer, A. M., Schotanus, M., Cluitmans, T. L. M., Waardenburg, C. M., Kramer, D., van de Mheen, D., & van Rooij, A. J.
2013	<i>Frontiers in Human Neuroscience</i>	Meshi, D.	Morawetz, C. & Heekeren, H. R.
2022	<i>Psychology of Popular Media</i>	Midgley	Lockwood, Thai

The role of online social networking on deliberate self-harm and suicidality in adolescents: A systematized review of literature.

Caffeine Use Disorder: A Comprehensive Review and Research Agenda.

Which health-related problems are associated with problematic video-gaming or social media use in adolescents? A large-scale cross-sectional study

Nucleus accumbens response to gains in reputation for the self relative to gains for others predicts social media use

Can the Social Network Bridge Social Distancing? Social Media Use During the COVID-19 Pandemic

Memon, A. M., Sharma, S. G., Mohite, S. S., & Jain, S. (2018). The role of online social networking on deliberate self-harm and suicidality in adolescents: A systematized review of literature. *Indian journal of psychiatry*, 60 (4), 384–392. [https://doi.org/10.4103/psychiatry.IndianJPsychiatry\\_414\\_17](https://doi.org/10.4103/psychiatry.IndianJPsychiatry_414_17)

Meredith, S. E., Juliano, L. M., Hughes, J. R., & Griffiths, R. R. (2013). Caffeine Use Disorder: A Comprehensive Review and Research Agenda. *Journal of Caffeine Research*, 3(3), 114–130. <https://doi.org/10.1089/jcr.2013.0016>

Mérelle, S. Y. M., Kleiboer, A. M., Schotanus, M., Cluitmans, T. L. M., Waardenburg, C. M., Kramer, D., van de Mheen, D., & van Rooij, A. J. (2017). Which health-related problems are associated with problematic video-gaming or social media use in adolescents? A large-scale cross-sectional study. *Clinical Neuropsychiatry: Journal of Treatment Evaluation*, 14(1), 11–19.

Meshi, D., Morawetz, C., & Heekeren, H. R. (2013). Nucleus accumbens response to gains in reputation for the self relative to gains for others predicts social media use. *Frontiers in Human Neuroscience*, 7, 439. <https://doi.org/10.3389/fnhum.2013.00439>

Midgley, C., Lockwood, P., & Thai, S. (2022). Can the social network bridge social distancing? Social media use during the COVID-19 pandemic. *Psychology of Popular Media*, 13 (1). <https://doi.org/10.1037/ppm0000437>

2024	<i>Journal of experimental psychology. General</i>	Mikami, A. Y.	Khalis, A., & Karasavva, V
2019	<i>Journal of Research on Adolescence</i>	Mikami	Szwedo, Khalis, Jia, Na
2022	<i>Journal of Media Psychology</i>	Miljeteig	von Soest
2023	<i>Cortex</i>	Miller, J.	N/A
2021	<i>Biological Psychiatry Global Open Science</i>	Miller, J. G.	Ho, T. C., Kirshenbaum, J. S., Chahal, R., Gifuni, A. J., & Gotlib, I. H.

Logging out or leaning in? Social media strategies for enhancing well-being

Online Social Interactions Predict Academic and Emotional Adjustment in the Transition to University

An Experience Sampling Study on the Association Between Social Media Use and Self-Esteem

Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study

Testing a developmental model of positive parenting, amygdala–subgenual anterior cingulate cortex connectivity, and depressive symptoms in adolescents before and during the COVID-19 pandemic

Mikami, A. Y., Khalis, A., & Karasavva, V. (2024). Logging out or leaning in? Social media strategies for enhancing well-being. *Journal of experimental psychology. General* , 10.1037/xge0001668. Advance online publication. <https://doi.org/10.1037/xge0001668>

Mikami, A. Y., Szwed, D. E., Khalis, A., Jia, M., & Na, J. J. (2019). Online Social Interactions Predict Academic and Emotional Adjustment in the Transition to University. *Journal of Research on Adolescence* , 29 (1), 210–224. <https://doi.org/10.1111/jora.12377>

Miljeteig, K., & von Soest, T. (2022). An Experience Sampling Study on the Association Between Social Media Use and Self-Esteem. *Journal of Media Psychology* , 34 (6). <https://doi.org/10.1027/1864-1105/a000333>

Miller, J. (2023). Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study, *Cortex* 169: 290-308, <https://doi.org/10.1016/j.cortex.2023.09.009>

Miller, J. G., Ho, T. C., Kirshenbaum, J. S., Chahal, R., Gifuni, A. J., & Gotlib, I. H. (2021). Testing a developmental model of positive parenting, amygdala–subgenual anterior cingulate cortex connectivity, and depressive symptoms in adolescents before and during the COVID-19 pandemic. *Biological Psychiatry Global Open Science*, 1(4), 291-299



2023	<i>Cortex; a journal devoted to the study of the nervous system and behavior</i>	Miller, J.	Mills, K. L., Vuorre, M., Orben, A., & Przybylski, A. K.
1987	<i>Journal of Substance Abuse Treatment</i>	Miller, N. S.	Dackis, C. A. & Gold, M. S.
2018	<i>Body Image</i>	Mills, J. S.	Musto, S., Williams, L., & Tiggemann, M.
2016	<i>Neuroimage</i>	Mills, K. L.	Goddings, A.-L., Herting, M. M., Meuwese, R., Blakemore, S.-J., Crone, E. A., Dahl, R. E., Güroğlu, B., Raznahan, A., Sowell, E. R., & Tamnes, C. K.
2014	<i>Social cognitive and affective neuroscience</i>	Mills, K. L.	Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S. J.

Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study
The relationship of addiction, tolerance, and dependence to alcohol and drugs: a neurochemical approach
“Selfie” harm: Effects on mood and body image in young women
Structural brain development between childhood and adulthood: Convergence across four longitudinal samples
Developmental changes in the structure of the social brain in late childhood and adolescence

Miller, J., Mills, K. L., Vuorre, M., Orben, A., & Przybylski, A. K. (2023). Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study. *Cortex; a journal devoted to the study of the nervous system and behavior*, 169, 290–308. <https://doi.org/10.1016/j.cortex.2023.09.009>

Miller, N. S., Dackis, C. A., & Gold, M. S. (1987). The relationship of addiction, tolerance, and dependence to alcohol and drugs: a neurochemical approach. *Journal of Substance Abuse Treatment*, 4(3–4), 197–207. [https://doi.org/10.1016/s0740-5472\(87\)80014-4](https://doi.org/10.1016/s0740-5472(87)80014-4)

Mills, J. S., Musto, S., Williams, L., & Tiggemann, M. (2018). “Selfie” harm: Effects on mood and body image in young women. *Body Image*, 27, 86–92. <https://doi.org/10.1016/j.bodyim.2018.08.007>

Mills, K. L., Goddings, A.-L., Herting, M. M., Meuwese, R., Blakemore, S.-J., Crone, E. A., Dahl, R. E., Güroğlu, B., Raznahan, A., Sowell, E. R., & Tamnes, C. K. (2016). Structural brain development between childhood and adulthood: Convergence across four longitudinal samples. *Neuroimage*, 141, 273–281. <https://doi.org/10.1016/j.neuroimage.2016.07.044>

Mills, K. L., Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S. J. (2014). Developmental changes in the structure of the social brain in late childhood and adolescence. *Social cognitive and affective neuroscience*, 9(1), 123–131. <https://doi.org/10.1093/scan/nss113>

2014	<i>Social Cognitive and Affective Neuroscience</i>	Mills, K.	Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S.-J.
2022	<i>New Media &amp; Society</i>	Milosevic	Bhroin, Olafsson, Staksrug, & Wachs
2024	<i>Journal of Media Psychology</i>	Milson	Madigan
2019	<i>Social Media &amp; Society</i>	Mingoia	Hutchinson, Gleaves, Wilson
2017	<i>Frontiers in Psychology</i>	Mingola	Hutchinson, Wilson, Gleaves

Developmental changes in the structure of the social brain in late childhood and adolescence

Time spent online and children's self-reported life satisfaction in Norway: The socio-ecological perspective

Picture Perfect: Perfectionistic Self-Presentation, Instagram Intrusion, and Body Satisfaction in Young Women

The Relationship Between Posting and Photo Manipulation Activities on Social Networking Sites and Internalization of a Tanned Ideal Among Australian Adolescents and Young Adults

The Relationship between Social Networking Site Use and the Internalization of a Thin Ideal in Females: A Meta-Analytic Review

Mills, K., Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S.-J. (2014). Developmental changes in the structure of the social brain in late childhood and adolescence. *Social Cognitive and Affective Neuroscience* , 9(1), 123–131. <https://doi.org/10.1093/scan/nss113>

Milosevic, T., Bhroin, N. N., Ólafsson, K., Staksrud, E., & Wachs, S. (2022). Time spent online and children’s self-reported life satisfaction in Norway: The socio-ecological perspective. *New Media & Society*, 26(5), 2407-2428. <https://doi.org/10.1177/14614448221082651>

Milson, R., & Madigan, D. J. (2024). Picture Perfect. *Journal of Media Psychology* . <https://doi.org/10.1027/1864-1105/a000434>

Mingoia, J., Hutchinson, A. D., Gleaves, D. H., & Wilson, C. (2019). The Relationship Between Posting and Photo Manipulation Activities on Social Networking Sites and Internalization of a Tanned Ideal Among Australian Adolescents and Young Adults. *Social Media + Society*, 5(1). <https://doi.org/10.1177/2056305118820419>

Mingoia, J., Hutchinson, A. D., Wilson, C., & Gleaves, D. H. (2017). The Relationship between Social Networking Site Use and the Internalization of a Thin Ideal in Females: A Meta-Analytic Review. *Frontiers in Psychology* , 8 (1351). <https://doi.org/10.3389/fpsyg.2017.01351>

2023	<i>Cyberpsychology, Behavior, and Social Networking</i>	Minich	Zhao, Eickhoff, & Moreno
1998	<i>Physiological Reviews</i>	Missale, C.	Nash, S. R., Robinson, S. W., Jaber, M., & Caron, M. G.
2023	<i>Child Development</i>	Modi, H.H.	Davis, M.M., Troop-Gordon, W., Telzer, E.H., & Rudolph, K.D.
2020	<i>Journal of Research on Adolescence</i>	Modi, H.H. <sup>†</sup> .	Davis, M.M. <sup>†</sup> ., Miernicki, M.E. <sup>†</sup> ., Telzer, E.H., & Rudolph, K.R.
2019	<i>Body Image</i>	Modica	N/A

In the Mood for Music: Listening to Music and Other Smartphone Uses Improve Adolescent Mood

Dopamine Receptors: From Structure to Function.

Need for approval and antisocial behavior moderate the effects of socioemotional cues on adolescent girls' cognitive control

Maternal antecedents to adolescent girls' neural regulation of emotion

Facebook, body esteem, and body surveillance in adult women: The moderating role of self-compassion and appearance-contingent self-worth



Minich, M., Zhao, Q., Eickhoff, J., & Moreno, M. A. (2023). In the Mood for Music: Listening to Music and Other Smartphone Uses Improve Adolescent Mood. *Cyberpsychology, Behavior, and Social Networking* , 26 (11). <https://doi.org/10.1089/cyber.2022.0344>

Missale, C., Nash, S. R., Robinson, S. W., Jaber, M., & Caron, M. G. (1998). Dopamine Receptors: From Structure to Function. *Physiological Reviews*, 78(1), 189–225. <https://doi.org/10.1152/physrev.1998.78.1.189>

Modi, H.H., Davis, M.M., Troop-Gordon, W., Telzer, E.H., & Rudolph, K.D. (2023). Need for approval and antisocial behavior moderate the effects of socioemotional cues on adolescent girls' cognitive control. *Child Development* , 94, 529-543. <https://doi.org/10.1111/cdev.13875>

Modi, H.H<sup>†</sup>., Davis, M.M<sup>†</sup>., Miernicki, M.E<sup>†</sup>., Telzer, E.H., & Rudolph, K.R. (2020). Maternal antecedents to adolescent girls' neural regulation of emotion. *Journal of Research on Adolescence* , 30 581-598. <https://doi.org/10.1111/jora.12545>

Modica, C. (2019). Facebook, body esteem, and body surveillance in adult women: The moderating role of self-compassion and appearance-contingent self-worth. *Body Image* , 29 , 17–30. <https://doi.org/10.1016/j.bodyim.2019.02.002>

2016	<i>Neuroimage</i>	Moisala, M.	Salmela, V., Hietajärvi, L., Salo, E., Carlson, S., Salonen, O., Lonka, K., Hakkarainen, K., Salmela-Aro, K., & Alho, K.
2016	<i>Pediatrics</i>	Mojtabai	Olfson, M., Han, B.
2017	<i>International journal of mental health and addiction</i>	Monacis, L.	de Palo, V., Griffiths, M. D., & Sinatra, M.
2019	<i>Neuropsychopharmacology</i>	Moningka, H.	Lichenstein, S., Worhunsky, P. D., DeVito, E. E., Scheinost, D., & Yip, S. W.
2007	<i>American Journal of Psychiatry</i>	Monk, C.S.	Klein, R.G., Telzer, E.H., Schroth, E.A., Mannuzza, S., Moulton III, J.L., Masten, C.L., McClure, E.B., Fromm, S., Blair, J.R., Pine, D.S., Ernst, M.

Media multitasking is associated with distractibility and increased prefrontal activity in adolescents and young adults
National trends in the prevalence and treatment of depression in adolescents and young adults
Exploring Individual Differences in Online Addictions: the Role of Identity and Attachment
Can neuroimaging help combat the opioid epidemic? A systematic review of clinical and pharmacological challenge fMRI studies with recommendations for future research.
Amygdala and nucleus accumbens activation to emotional facial expressions in diagnosis free juveniles at risk for major depression

Moisala, M., Salmela, V., Hietajärvi, L., Salo, E., Carlson, S., Salonen, O., Lonka, K., Hakkarainen, K., Salmela-Aro, K., & Alho, K. (2016). Media multitasking is associated with distractibility and increased prefrontal activity in adolescents and young adults. *Neuroimage*, 134, 113–121. <https://doi.org/10.1016/j.neuroimage.2016.04.011>

Mojtabai, R., Olfson, M., & Han, B. (2016). National Trends in the Prevalence and Treatment of Depression in Adolescents and Young Adults. *Pediatrics*, 138(6), e20161878. <https://doi.org/10.1542/peds.2016-1878>

Monacis, L., de Palo, V., Griffiths, M. D., & Sinatra, M. (2017). Exploring Individual Differences in Online Addictions: the Role of Identity and Attachment. *International journal of mental health and addiction*, 15(4), 853–868. <https://doi.org/10.1007/s11469-017-9768-5>

Moningka, H., Lichenstein, S., Worhunsky, P. D., DeVito, E. E., Scheinost, D., & Yip, S. W. (2019). Can neuroimaging help combat the opioid epidemic? A systematic review of clinical and pharmacological challenge fMRI studies with recommendations for future research. *Neuropsychopharmacology*, 44(2), 259–273. <https://doi.org/10.1038/s41386-018-0232-4>

Monk, C.S., Klein, R.G., Telzer, E.H., Schroth, E.A., Mannuzza, S., Moulton III, J.L., Masten, C.L., McClure, E.B., Fromm, S., Blair, J.R., Pine, D.S., Ernst, M. (2007). Amygdala and nucleus accumbens activation to emotional facial expressions in diagnosis free juveniles at risk for major depression. *American Journal of Psychiatry*, 165, 90-98. <https://doi.org/10.1176/appi.ajp.2007.06111917>

2008	<i>Archives of General Psychiatry</i>	Monk, C.S.	Telzer, E.H., Mogg, K., Bradley, B.P., Mai, X., Louro, H.M.C., Chen, McClure, E.B., Ernst, M., Pine, D.S.
2019	<i>International Journal of Environmental Research and Public Health</i>	Montag, C.	Lachmann, B., Herrlich, M., & Zweig, K.
2019	<i>International journal of environmental research and public health</i>	Montag C.	Lachmann, B., Herrlich, M., Zweig, K.
2017	<i>Behavioural Brain Research</i>	Montag, C.	Markowetz, A., Blaszkiewicz, K., Andone, I., Lachmann, B., Sariyska, R., Trendafilov, B., Eibes, M., Kolb, J., Reuter, M., Weber, B., & Markett, S.
2004	<i>Nature</i>	Montague, P. R.	Hyman, S. E., & Cohen, J. D.

Amygdala and ventrolateral prefrontal cortex activation to masked angry faces in children and adolescents with Generalized Anxiety Disorder

Addictive Features of Social Media/Messenger Platforms and Freemium Games against the Background of Psychological and Economic Theories

Addictive Features of Social Media/Messenger Platforms and Freemium Games against the Background of Psychological and Economic Theories.

Facebook usage on smartphones and gray matter volume of the nucleus accumbens

Computational roles for dopamine in behavioural control.

Monk, C.S., Telzer, E.H., Mogg, K., Bradley, B.P., Mai, X., Louro, H.M.C., Chen, McClure, E.B., Ernst, M., Pine, D.S. (2008). Amygdala and ventrolateral prefrontal cortex activation to masked angry faces in children and adolescents with Generalized Anxiety Disorder. *Archives of General Psychiatry* , 65, 568-576. <https://doi.org/10.1001/archpsyc.65.5.568>

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Montag, C., Markowetz, A., Blaszkiewicz, K., Andone, I., Lachmann, B., Sariyska, R., Trendafilov, B., Eibes, M., Kolb, J., Reuter, M., Weber, B., & Markett, S. (2017). Facebook usage on smartphones and gray matter volume of the nucleus accumbens. *Behavioural Brain Research* , 329, 221–228. <https://doi.org/10.1016/j.bbr.2017.04.035>

Montague, P. R., Hyman, S. E., & Cohen, J. D. (2004). Computational roles for dopamine in behavioural control. *Nature*, 431(7010), 760–767. <https://doi.org/10.1038/nature03015>

1978	<i>Annual Review of Neuroscience</i>	Moore, R. Y.	Bloom, F. E.
2013	<i>Psychiatric News</i>	Moran	N/A
2019	<i>Digital health</i>	Moreno, M. A.	Uhls, Y. T.
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Moreno	Binger, Minich, Zhao, Eickhoff
2012	<i>Psychology</i>	Moreno	Jelenchick, Koff, & Eickhoff



Central Catecholamine Neuron Systems:  
Anatomy and Physiology of the Dopamine  
Systems.

Gambling Disorder to Be Included in  
Addictions Chapter

Applying an affordances approach and a  
developmental lens to approach adolescent  
social media use

Adolescent Digital Technology Interactions  
and Importance: Associations with  
Depression and Well-Being

Depression and Internet Use among Older  
Adolescents: An Experience Sampling  
Approach

Moore, R. Y., & Bloom, F. E. (1978). Central Catecholamine Neuron Systems: Anatomy and Physiology of the Dopamine Systems. *Annual Review of Neuroscience*, 1(1), 129–169. <https://doi.org/10.1146/annurev.ne.01.030178.001021>

Moran. (2013). Gambling Disorder to Be Included in Addictions Chapter | *Psychiatric News*. <https://psychiatryonline.org/doi/10.1176/appi.pn.2013.4b14>

Moreno, M. A., & Uhls, Y. T. (2019). Applying an affordances approach and a developmental lens to approach adolescent social media use. *Digital health*, 5, 2055207619826678. <https://doi.org/10.1177/2055207619826678>

Moreno, M. A., Binger, K., Minich, M., Zhao, Q., & Eickhoff, J. (2022). Adolescent Digital Technology Interactions and Importance: Associations with Depression and Well-Being. *Cyberpsychology, Behavior, and Social Networking*, 25 (4). <https://doi.org/10.1089/cyber.2021.0294>

Moreno, M. A., Jelenchick, L., Koff, R., & Eickhoff, J. (2012). Depression and Internet Use among Older Adolescents: An Experience Sampling Approach. *Psychology*, 03 (09), 743–748. <https://doi.org/10.4236/psych.2012.329112>

2021	<i>Cognitive, Affective &amp; Behavioral Neuroscience</i>	Moretta, T.	Buodo, G.
2022	<i>Cambridge University Press</i>	Morris, A. S.	Mendez Smith, J. (Eds.).
2023	<i>Current Behavioral Neuroscience Reports</i>	Morris, R.	Moretta, T. & Potenza, M. N.
2019	<i>Experimental Economics</i>	Mosquera, R.	Odunowo, M., McNamara, T., Guo, X., & Petrie, R.
2008	<i>The Journal of Neuroscience</i>	Moss, J.	Bolam, J. P.

Response inhibition in problematic social network sites use: an ERP study
The cambridge handbook of parenting
The psychobiology of problematic use of social media
The economic effects of Facebook
A Dopaminergic Axon Lattice in the Striatum and Its Relationship with Cortical and Thalamic Terminals.

Moretta, T., & Buodo, G. (2021). Response inhibition in problematic social network sites use: an ERP study. *Cognitive, Affective & Behavioral Neuroscience* , 21(4), 868–880. <https://doi.org/10.3758/s13415-021-00879-9>

Morris, A. S., & Mendez Smith, J. (Eds.). (2022). The cambridge handbook of parenting. Cambridge University Press. <https://doi.org/10.1017/9781108891400>

Morris, R., Moretta, T., & Potenza, M. N. (2023). The psychobiology of problematic use of social media. *Current Behavioral Neuroscience Reports* , 10(4), 65–74. <https://doi.org/10.1007/s40473-023-00261-8>

Mosquera, R., Odunowo, M., McNamara, T., Guo, X., & Petrie, R. (2019). The economic effects of Facebook. *Experimental Economics* , 23 (2). <https://doi.org/10.1007/s10683-019-09625-y>

Moss, J., & Bolam, J. P. (2008). A Dopaminergic Axon Lattice in the Striatum and Its Relationship with Cortical and Thalamic Terminals. *The Journal of Neuroscience*, 28(44), 11221–11230. <https://doi.org/10.1523/JNEUROSCI.2780-08.2008>

2020	<i>Depression and anxiety</i>	Mundy	Canterford, Moreno-Betancur, Hoq, Sawyer, Allen, & Patton
2024	<i>The Journal of Adolescent Health</i>	Murray, A. L.	Xie, T.
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Murray	Maras, Goldfield
2018	<i>Development and Psychopathology</i>	Muscatell, K.A.	McCormick, E.M†. & Telzer, E.H.
2018	<i>Turkish Journal of Physical Medicine and Rehabilitation</i>	Mustafaoğlu, R.	Erhan, B., Yeldan, İ., Ersöz Hüseyinsinoğlu, B., Gündüz, B., & Razak Özdiñler, A

Social networking and symptoms of depression and anxiety in early adolescence

Engaging adolescents in contemporary longitudinal health research: strategies for promoting participation and retention

Excessive Time on Social Networking Sites and Disordered Eating Behaviors Among Undergraduate Students: Appearance and Weight Esteem as Mediating Pathways

Subjective social status and neural processing of race in Mexican-American adolescents

The effects of body weight-supported treadmill training on static and dynamic balance in stroke patients: A pilot, single-blind, randomized trial

Mundy, L. K., Canterford, L., Moreno-Betancur, M., Hoq, M., Sawyer, S. M., Allen, N. B., & Patton, G. C. (2020). Social networking and symptoms of depression and anxiety in early adolescence. *Depression and Anxiety* , 38 (5). <https://doi.org/10.1002/da.23117>

Murray, A. L., & Xie, T. (2024). Engaging adolescents in contemporary longitudinal health research: strategies for promoting participation and retention. *The Journal of Adolescent Health* , 74(1), 9–17. <https://doi.org/10.1016/j.jadohealth.2023.06.032>

Murray, M., Maras, D., & Goldfield, G. S. (2016). Excessive Time on Social Networking Sites and Disordered Eating Behaviors Among Undergraduate Students: Appearance and Weight Esteem as Mediating Pathways. *Cyberpsychology, Behavior, and Social Networking* , 19 (12), 709–715. <https://doi.org/10.1089/cyber.2016.0384>

Muscatell, K.A., McCormick, E.M†., & Telzer, E.H. (2018). Subjective social status and neural processing of race in Mexican-American adolescents. *Development and Psychopathology* , 30, 1837-1848. <https://doi.org/10.1017/S0954579418000949>. Special Issue on Cultural Development and Psychopathology.

Mustafaoğlu, R., Erhan, B., Yeldan, İ., Ersöz Hüseyinsinoğlu, B., Gündüz, B., & Razak Özdingler, A. (2018). The effects of body weight-supported treadmill training on static and dynamic balance in stroke patients: A pilot, single-blind, randomized trial. *Turkish Journal of Physical Medicine and Rehabilitation* , 64(4), 344–352. <https://doi.org/10.5606/tftrd.2018.2672>



2005	<i>The American journal of psychiatry</i>	Nader, M. A.	Czoty, P. W.
2024	<i>Journal of Adolescence</i>	Nagata	Cheng, Shim, Kiss, Ganson, Testa, He, Baker
2022	<i>Journal of child psychology and psychiatry, and allied disciplines</i>	Nagata	Chu, Ganson, Murray, Iyer, Gabriel, Garber, Bibbins-Domingo, & Baker
2021	<i>International Journal of Eating Disorders</i>	Nagata	Iyer, Chu, Baker, Pettee Gabriel, Garber, Murray, Bibbins-Domingo, & Ganson
2025	<i>Social Psychiatry and Psychiatric Epidemiology: The International Journal for Research in Social and Genetic Epidemiology and</i>	Nagata	Zamora, Al-Shoaibi, Lavender, Ganson, Testa, He, Baker

PET imaging of dopamine D2 receptors in monkey models of cocaine abuse: genetic predisposition versus environmental modulation

Bedtime Screen Use Behaviors and Sleep Outcomes in Early Adolescents: A Prospective Cohort Study

Contemporary screen time modalities and disruptive behavior disorders in children: a prospective cohort study

Contemporary screen time modalities among children 9–10 years old and binge-eating disorder at one-year follow-up: A prospective cohort study

Screen time and manic symptoms in early adolescents: Prospective findings from the adolescent brain cognitive development study.

Nader, M. A., & Czoty, P. W. (2005). PET imaging of dopamine D2 receptors in monkey models of cocaine abuse: genetic predisposition versus environmental modulation. *The American journal of psychiatry*, 162(8), 1473–1482.  
<https://doi.org/10.1176/appi.ajp.162.8.1473>

Nagata, J. M., Cheng, C. M., Shim, J., Kiss, O., Ganson, K. T., Testa, A., He, J., & Baker, F. C. (2024). Bedtime Screen Use Behaviors and Sleep Outcomes in Early Adolescents: A Prospective Cohort Study. *Journal of Adolescent Health*, 75 (4).  
<https://doi.org/10.1016/j.jadohealth.2024.06.006>

Nagata, J. M., Chu, J., Ganson, K. T., Murray, S. B., Iyer, P., Gabriel, K. P., Garber, A. K., Bibbins-Domingo, K., & Baker, F. C. (2022). Contemporary screen time modalities and disruptive behavior disorders in children: a prospective cohort study. *Journal of Child Psychology and Psychiatry*, 64 (1). <https://doi.org/10.1111/jcpp.13673>

Nagata, J. M., Iyer, P., Chu, J., Baker, F. C., Pettee Gabriel, K., Garber, A. K., Murray, S. B., Bibbins-Domingo, K., & Ganson, K. T. (2021). Contemporary screen time modalities among children 9–10 years old and binge-eating disorder at one-year follow-up: A prospective cohort study. *International Journal of Eating Disorders*, 54 (5). <https://doi.org/10.1002/eat.23489>

Nagata, J. M., Zamora, G., Abubakr A A Al-Shoaibi, Lavender, J. M., Ganson, K. T., Testa, A., He, J., & Baker, F. C. (2025). Screen time and manic symptoms in early adolescents: prospective findings from the Adolescent Brain Cognitive Development Study. *Social Psychiatry and Psychiatric Epidemiology*. <https://doi.org/10.1007/s00127-025-02814-6>

2022	<i>The Journal of Pediatrics</i>	Nagata, J.	et al.
2025	<i>Academic Pediatrics</i>	Nagata, J.	et. al.
2012	<i>The Journal of Neuroscience</i>	Naneix, F.	Naneix, F., Marchand, A. R., Di Scala, G., Pape, J.-R., & Coutureau, E.
2017	<i>Human Brain Mapping</i>	Narvacan, K.	Treit, S., Camicioli, R., Martin, W., & Beaulieu, C.
2019	<i>National Academies Press (US)</i>	National Academies of Sciences, Engineering, and Medicine	N/A

Sociodemographic Correlates of Contemporary Screen Time Use among 9- and 10-Year-Old Children

Prevalence and Patterns of Social Media Use in Early Adolescents.

Parallel Maturation of Goal-Directed Behavior and Dopaminergic Systems during Adolescence.

Evolution of deep gray matter volume across the human lifespan

The promise of adolescence: Realizing opportunity for all youth

Nagata, J., et al. (2022). Sociodemographic Correlates of Contemporary Screen Time Use among 9- and 10-Year-Old Children, *The Journal of Pediatrics* , 240, 213-220.  
[https://www.jpeds.com/article/S0022-3476\(21\)00862-3/fulltext](https://www.jpeds.com/article/S0022-3476(21)00862-3/fulltext)

Nagata, J., et. al. (2025). Prevalence and Patterns of Social Media Use in Early Adolescents. *Academic Pediatrics* , 25(4), 102784. <https://doi.org/10.1016/j.acap.2025.102784>

Naneix, F., Marchand, A. R., Di Scala, G., Pape, J.-R., & Coutureau, E. (2012). Parallel Maturation of Goal-Directed Behavior and Dopaminergic Systems during Adolescence. *The Journal of Neuroscience*, 32(46), 16223–16232. <https://doi.org/10.1523/JNEUROSCI.3080-12.2012>

Narvacan, K., Treit, S., Camicioli, R., Martin, W., & Beaulieu, C. (2017). Evolution of deep gray matter volume across the human lifespan. *Human Brain Mapping* , 38(8), 3771–3790. <https://doi.org/10.1002/hbm.23604>

National Academies of Sciences, Engineering, and Medicine. (2019). *The promise of adolescence: Realizing opportunity for all youth*. National Academies Press (US).  
<https://doi.org/10.17226/25388>

2024	<i>The National Academies Press</i>	National Academies of Sciences, Engineering	N/A
2025	<i>Frontiers in Behavioral Neuroscience</i>	Navalon-Gonzalez	Montenegro-Espinosa, Guierrez-Espinoza, Olivares-Arancibia, Yanez-Sepulveda, Duclos-Bastias, Garrido-Miguel, Mesas, Lopez-Gil, Jimenez-Lopez
2022	<i>Journal of Child Psychology and Psychiatry</i>	Nelson, B.W <sup>†</sup> .	Flannery, J.E <sup>†</sup> ., Duell, N <sup>†</sup> ., Flournoy, J., Prinstein, M.J., & Telzer, E.H.
(in press)	<i>Development and Psychopathology</i>	Nelson, B <sup>†</sup> .	Pollak, O.H., Clayton, M., Telzer, E.H., & Prinstein, M.J.
2020	<i>Trends in Neurosciences</i>	Nelson, C. A.	Gabard-Durnam, L. J.

## Social Media and Adolescent Health

Associations between social networks, messaging apps, addictive behaviors, and sleep problems in adolescents: The EHDLA study.

Concurrent and prospective associations between Fitbit wearable derived RDoC arousal and regulation constructs and adolescent internalizing symptoms

An RDoC-based approach to adolescent self-injurious thoughts and behaviors: The interactive role of social affiliation and cardiac arousal

Early adversity and critical periods: Neurodevelopmental consequences of violating the expectable environment



National Academies of Sciences, Engineering, and Medicine. (2024). *Social Media and Adolescent Health*. Washington, DC: The National Academies Press.  
<https://doi.org/10.17226/27396>.

Navalón-González, M., Adrián Montenegro-Espinosa, J., Gutiérrez-Espinoza, H., Olivares-Arancibia, J., Yañez-Sepúlveda, R., Duclos-Bastías, D., Garrido-Miguel, M., Mesas, A. E., Francisco López-Gil, J., & Jiménez-López, E. (2025). Associations between social networks, messaging apps, addictive behaviors, and sleep problems in adolescents: the EHDLA study. *Frontiers in Behavioral Neuroscience*, 19. <https://doi.org/10.3389/fnbeh.2025.1512535>

Nelson, B.W†., Flannery, J.E†., Duell, N†., Flournoy, J., Prinstein, M.J., & Telzer, E.H. (2022). Concurrent and prospective associations between Fitbit wearable derived RDoC arousal and regulation constructs and adolescent internalizing symptoms. *Journal of Child Psychology and Psychiatry*, 63, 282-295. <https://doi.org/10.1111/jcpp.13471>

Nelson, B†., Pollak, O.H., Clayton, M., Telzer, E.H., & Prinstein, M.J. (in press). An RDoC-based approach to adolescent self-injurious thoughts and behaviors: The interactive role of social affiliation and cardiac arousal. *Development and Psychopathology*.  
<https://doi.org/10.1017/S0954579423000251>

Nelson, C. A., & Gabard-Durnam, L. J. (2020). Early adversity and critical periods: Neurodevelopmental consequences of violating the expectable environment. *Trends in Neurosciences*, 43(3), 133–143. <https://doi.org/10.1016/j.tins.2020.01.002>

2015	<i>John Wiley &amp; Sons, Inc.</i>	Nelson, C.	de Haan, M., & Thomas, K. M.
2016	<i>Developmental Cognitive Neuroscience</i>	Nelson, E.	Jarcho, J. M. & Guyer, A. E.
2023	<i>Int'l. J. of Edu. Mgmt.</i>	Nema, P.	et. al.
(accepted with minor revisions)	<i>Psychology of Popular Media</i>	Nesi, J.*	Burnell, K.*, Fox, K. A., Armstrong-Carter, E., Field, N. H., Maza, M. T., Garrett, S. L., Kilic, Z., Nick, E. A., Nail, M., Turk, Y., Prinstein, M. J., & Telzer, E. H.
2015	<i>Journal of Abnormal Child Psychology</i>	Nesi, J.	Prinstein, M. J.

*Neuroscience of cognitive development: the role of experience and the developing brain*

Social re-orientation and brain development:  
An expanded and updated view

Impact of social media distraction on student  
evaluation of teacher effectiveness

Objectively-measured smartphone pickups  
among adolescents: Associations with daily  
positive and negative affect and mindfulness.

Using Social Media for Social Comparison  
and Feedback-Seeking: Gender and  
Popularity Moderate Associations with  
Depressive Symptoms

Nelson, C., de Haan, M., & Thomas, K. M. (2015). *Neuroscience of cognitive development: the role of experience and the developing brain*. John Wiley & Sons, Inc.  
<https://doi.org/10.1002/9780470939413>

Nelson, E., Jarcho, J. M., & Guyer, A. E. (2016). Social re-orientation and brain development: An expanded and updated view. *Developmental Cognitive Neuroscience* , 17, 118–127.  
<https://doi.org/10.1016/j.dcn.2015.12.008>

Nema, P., Srivastava, R., Bhalla, R., & Chakarboby, A. (2023). Impact of social media distraction on student evaluation of teacher effectiveness. *International Journal of Educational Management* . <https://doi.org/10.1108/ijem-10-2022-0389>

Nesi, J.\*, Burnell, K.\*, Fox, K. A., Armstrong-Carter, E., Field, N. H., Maza, M. T., Garrett, S. L., Kilic, Z., Nick, E. A., Nail, M., Turk, Y., Prinstein, M. J., & Telzer, E. H. (accepted with minor revisions). Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness. *Psychology of Popular Media*. \*indicates joint first authorship.

Nesi, J., & Prinstein, M. J. (2015). Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms. *Journal of Abnormal Child Psychology* , 43(8), 1427–1438. <https://doi.org/10.1007/s10802-015-0020-0>

2015	<i>Journal of abnormal child psychology</i>	Nesi J.	Prinstein, M.J.
2018	<i>Journal of Clinical Child and Adolescent Psychology</i>	Nesi	Prinstein
2019	<i>Journal of Clinical Child and Adolescent Psychology</i>	Nesi, J.	Prinstein, M. J.
2022	<i>Journal of Affective Disorders</i>	Nesi	Burke, Caltabiano, Spirito, Wolff
2018	<i>Clinical Child and Family Psychology Review</i>	Nesi, J.	Choukas-Bradley, S. & Prinstein, M. J.

Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms.

In Search of Likes: Longitudinal Associations Between Adolescents' Digital Status Seeking and Health-Risk Behaviors

In Search of Likes: Longitudinal Associations Between Adolescents' Digital Status Seeking and Health-Risk Behaviors

Digital media-related precursors to psychiatric hospitalization among youth

Transformation of Adolescent Peer Relations in the Social Media Context: Part 1-A Theoretical Framework and Application to Dyadic Peer Relationships

Nesi, J., & Prinstein, M. J. (2015). Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms. *Journal of abnormal child psychology* , 43 (8), 1427–1438. <https://doi.org/10.1007/s10802-015-0020-0>

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Nesi, J., & Prinstein, M. J. (2019). In Search of Likes: Longitudinal Associations Between Adolescents' Digital Status Seeking and Health-Risk Behaviors. *Journal of Clinical Child and Adolescent Psychology* , 48(5), 740–748. <https://doi.org/10.1080/15374416.2018.1437733>

Nesi, J., Burke, T. A., Caltabiano, A., Spirito, A., & Wolff, J. C. (2022). Digital media-related precursors to psychiatric hospitalization among youth. *Journal of Affective Disorders* , 310 , 235–240. <https://doi.org/10.1016/j.jad.2022.05.013>

Nesi, J., Choukas-Bradley, S., & Prinstein, M. J. (2018). Transformation of Adolescent Peer Relations in the Social Media Context: Part 1-A Theoretical Framework and Application to Dyadic Peer Relationships. *Clinical Child and Family Psychology Review* , 21(3), 267–294. <https://doi.org/10.1007/s10567-018-0261-x>

2021	N/A	Nesi, J.	Dredge, R., Maheux, A. J., Roberts, S. R., Fox, K. A., & Choukas-Bradley, S.
2021	<i>Psychology of Popular Media</i>	Nesi, J.	et. al.
2021	<i>Journal of Clinical Child &amp; Adolescent Psychology</i>	Nesi	Rothenberg, Bettis, MassingSchaffer, Fox, Telzer, Lindquist, & Prinstein
2021	<i>Journal of Clinical Child and Adolescent Psychology</i>	Nesi, J.	Rothenberg, W.A., Bettis, A.H., Massing-Schaffer, M., Fox, K.A., Telzer, E.H., Lindquist, K.A., Prinstein, M.J.
2022	<i>Cambridge University Press</i>	Nesi, J.	Telzer, E. H., & Prinstein, M. J. (Eds.).



Peer experiences via social media

Selfie Appearance Investment And Peer Feedback Concern: Multimethod Investigation Of Adolescent Selfie Practices and Adjustment.

Emotional Responses to Social Media Experiences Among Adolescents: Longitudinal Associations with Depressive Symptoms

Emotional responses to social media experiences among adolescents: Longitudinal associations with depressive symptoms

Handbook of Adolescent Digital Media Use and Mental Health.

Nesi, J., Dredge, R., Maheux, A. J., Roberts, S. R., Fox, K. A., & Choukas-Bradley, S. (2021). Peer experiences via social media. <https://doi.org/10.31234/osf.io/s8mru>

Nesi, J., et. al. (2021). Selfie Appearance Investment And Peer Feedback Concern: Multimethod Investigation Of Adolescent Selfie Practices and Adjustment. *Psychology of Popular Media* , 10(4), 488–499. <https://doi.org/10.1037/ppm0000342>

Nesi, J., Rothenberg, W. A., Bettis, A. H., Massing-Schaffer, M., Fox, K. A., Telzer, E. H., ... Prinstein, M. J. (2021). Emotional Responses to Social Media Experiences Among Adolescents: Longitudinal Associations with Depressive Symptoms. *Journal of Clinical Child & Adolescent Psychology* , 51 (6), 907–922. <https://doi.org/10.1080/15374416.2021.1955370>

Nesi, J., Rothenberg, W.A., Bettis, A.H., Massing-Schaffer, M., Fox, K.A., Telzer, E.H., Lindquist, K.A., Prinstein, M.J. (2021). Emotional responses to social media experiences among adolescents: Longitudinal associations with depressive symptoms. *Journal of Clinical Child and Adolescent Psychology* , 23, 1-16. <https://doi.org/10.1080/15374416.2021.1955370>

Nesi, J., Telzer, E. H., & Prinstein, M. J. (Eds.). (2022). *Handbook of Adolescent Digital Media Use and Mental Health*. Cambridge University Press. <https://doi.org/10.1017/9781108976237>

2020	<i>Psychological Inquiry</i>	Nesi, J.	Telzer, E.H., & Prinstein, M.J.
2022	<i>Cambridge University Press</i>	Nesi, J.	Telzer, E.H., & Prinstein, M.J. Eds.
(in press)	<i>Psychology of Popular Media</i>	Nesi, J.	* Burnell, K.,* Fox, K.A., Armstrong-Carter, E., Field, N.H., Maza, M.T., Garrett, S.L., Kilic, Z., Nick, E.A., Nail, M., Turk, Y., Prinstein, M.J., & Telzer, E.H.
2004	<i>Pharmacology &amp; Therapeutics</i>	Nichols, D. E.	N/A
2022	<i>Journal of Adolescent Health</i>	Nick	Kilica, Nesi, Telzer, Lindquist, & Prinstein

Adolescent development in the digital media context

Handbook of Adolescent Social Media Use and Mental Health

Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness

Hallucinogens.

Adolescent Digital Stress: Frequencies, Correlates, and Longitudinal Association With Depressive Symptoms

Nesi, J., Telzer, E.H., & Prinstein, M.J. (2020). Adolescent development in the digital media context. *Psychological Inquiry*, 31, 229-234.  
<https://doi.org/10.1080/1047840X.2020.1820219>

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Nesi, J.,\* Burnell, K.,\* Fox, K.A., Armstrong-Carter, E., Field, N.H., Maza, M.T., Garrett, S.L., Kilic, Z., Nick, E.A., Nail, M., Turk, Y., Prinstein, M.J., & Telzer, E.H. (in press). Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness. *Psychology of Popular Media*. \*denotes equal author contribution

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<https://doi.org/10.1016/j.pharmthera.2003.11.002>

Nick, E. A., Kilic, Z., Nesi, J., Telzer, E. H., Lindquist, K. A., & Prinstein, M. J. (2022). Adolescent Digital Stress: Frequencies, Correlates, and Longitudinal Association With Depressive Symptoms. *Journal of Adolescent Health*, 70 (2), 336–339.  
<https://doi.org/10.1016/j.jadohealth.2021.08.025>

2022	<i>Journal of Adolescent Health</i>	Nick, E.A.	Kilic, Z., Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J.
2021	<i>Developmental Cognitive Neuroscience</i>	Nketia, J.	Amso, D. & Brito, N. H.
2023	<i>Media Psychology</i>	Noon	Maes, Karsay, Vandenbosch
2015	<i>Nature Reviews Neuroscience</i>	Nutt, D. J.	Lingford-Hughes, A., Erritzoe, D., & Stokes, P. R. A.
2023	<i>Leisure Studies</i>	O'Brien	N/A

Adolescent digital stress: Frequencies, correlates, and longitudinal association with depressive symptoms
Towards a more inclusive and equitable developmental cognitive neuroscience
Making the Good Better? Investigating the Long-Term Associations Between Capitalization on Social Media and Adolescents' Life Satisfaction
The dopamine theory of addiction: 40 years of highs and lows.
'It's just nice not to be on screens': exploring the relationship between pottery making, eudemonic wellbeing, and Instagram

Nick, E.A., Kilic, Z., Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (2022). Adolescent digital stress: Frequencies, correlates, and longitudinal association with depressive symptoms. *Journal of Adolescent Health* , 70, 336-339.  
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Nketia, J., Amso, D., & Brito, N. H. (2021). Towards a more inclusive and equitable developmental cognitive neuroscience. *Developmental Cognitive Neuroscience* , 52, 101014.  
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<https://doi.org/10.1080/02614367.2023.2218600>



2023	<i>Social Media + Society</i>	Oden, A.	Porter, L.
2024	<i>Nature</i>	Odgers, C.	N/A
2020	<i>Journal of Child Psychology and Psychiatry</i>	Odgers, C. L.	Jensen, M. R.
2022	<i>Council Report No 2.</i>	Odgers, C.L.	et. al., and the National Scientific Council on Adolescence
2021	<i>US Department of Health and Human Services</i>	Office of the Surgeon General	N/A

The kids are online: Teen social media use, civic engagement, and affective polarization

The great rewiring, unplugged: Is social media really behind an epidemic of teenage mental illness?

Annual Research Review: Adolescent mental health in the digital age: facts, fears, and future directions.

Engaging, Safe, and Evidence-Based: What Science Tells Us About How to Promote Positive Development and Decrease Risk In Online Spaces, Council Report No 2.

*Protecting Youth Mental Health: The U.S. Surgeon General's Advisory*

Oden, A. & Porter, L. (2023) The kids are online: Teen social media use, civic engagement, and affective polarization. *Social Media + Society* Volume 9, Issue 3

Odgers, C. (2024). The great rewiring, unplugged: Is social media really behind an epidemic of teenage mental illness? *Nature*, 628, 29-30.

Odgers, C. L., & Jensen, M. R. (2020). Annual Research Review: Adolescent mental health in the digital age: facts, fears, and future directions. *Journal of Child Psychology and Psychiatry*, 61(3), 336–348. <https://doi.org/10.1111/jcpp.13190>

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2023	<i>US Department of Health and Human Services</i>	Office of the Surgeon General	N/A
2020	<i>Youth &amp; Society</i>	Ohannessian	Vannucci
2021	<i>Journal of Affective Disorders</i>	Ohannessian	Fagle, & Salafia
2017	<i>Neuroscience Research</i>	Oishi, Y.	Lazarus, M.
2024	<i>Communications Psychology</i>	Oldermburgo de Mello	Cheung, Inzlicht

Social media and youth mental health: the U.S. surgeon general's advisory

Technology use typologies and psychological adjustment during adolescence

Social media use and internalizing symptoms during early adolescence: The role of co-rumination

The control of sleep and wakefulness by mesolimbic dopamine systems.

Twitter (X) use predicts substantial changes in well-being, polarization, sense of belonging, and outrage

Office of the Surgeon General. (2023). Social media and youth mental health: the U.S. surgeon general's advisory. US Department of Health and Human Services.

Ohannessian, C. M., & Vannucci, A. (2020). Technology Use Typologies and Psychological Adjustment during Adolescence. *Youth & Society*, 52 (6), 960–983.  
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Ohannessian, C. M., Fagle, T., & Salafia, C. (2021). Social media use and internalizing symptoms during early adolescence: The role of co-rumination. *Journal of Affective Disorders*, 280, 85–88. <https://doi.org/10.1016/j.jad.2020.10.079>

Oishi, Y., & Lazarus, M. (2017). The control of sleep and wakefulness by mesolimbic dopamine systems. *Neuroscience Research*, 118, 66–73.  
<https://doi.org/10.1016/j.neures.2017.04.008>

Oldemburgo, V., Cheung, F., & Inzlicht, M. (2024). Twitter (X) use predicts substantial changes in well-being, polarization, sense of belonging, and outrage. *Communications Psychology*, 2 (1). <https://doi.org/10.1038/s44271-024-00062-z>

1954	<i>J Comp Physiol Psychol.</i>	Olds, J.	Milner, P.
2013	<i>Biological Psychiatry</i>	Olsavsky, A.K.	Telzer, E.H., Shapiro, M. Humphreys, K.L., Flannery, J., Goff, B., & Tottenham, N.
2025	<i>Translational Psychiatry</i>	Opendak, M.	et al.,
2020	<i>Social psychiatry and psychiatric epidemiology</i>	Orben A.	N/A
2019	<i>PNAS</i>	Orben	Dienlin, Przybylski

Positive Reinforcement Produced by Electrical Stimulation of Septal Area and other Regions of the Rat Brain
Indiscriminate amygdala response to mothers and strangers after early maternal deprivation
Understanding the development of a functional brain circuit: Reward processing as an illustration
Teenagers, screens and social media: a narrative review of reviews and key studies.
Social media's enduring effect on adolescent life satisfaction



Olds J. & Milner, P. (1954). Positive Reinforcement Produced by Electrical Stimulation of Septal Area and other Regions of the Rat Brain. *J Comp Physiol Psychol*. 1954 Dec;47(6):419-27. doi: 10.1037/h0058775. PMID: 13233369.

Olsavsky, A.K., Telzer, E.H., Shapiro, M. Humphreys, K.L., Flannery, J., Goff, B., & Tottenham, N. (2013). Indiscriminate amygdala response to mothers and strangers after early maternal deprivation. *Biological Psychiatry*, 11, 853-860.  
<https://doi.org/10.1016/j.biopsych.2013.05.025>

Opendak, M., et al., (2025). Understanding the development of a functional brain circuit: Reward processing as an illustration.

Orben A. (2020). Teenagers, screens and social media: a narrative review of reviews and key studies. *Social psychiatry and psychiatric epidemiology*, 55(4), 407–414.  
<https://doi.org/10.1007/s00127-019-01825-4>

Orben, A., Dienlin, T., & Przybylski, A. K. (2019). Social media's enduring effect on adolescent life satisfaction. *Proceedings of the National Academy of Sciences*, 116 (21), 10226–10228. <https://doi.org/10.1073/pnas.1902058116>

2022	<i>Nature Communications</i>	Orben	Przybylski, Blakemore, Kievit
2020	<i>The Lancet. Child &amp; Adolescent Health</i>	Orben, A.	Tomova, L., & Blakemore, S.-J.
2013	<i>Journal of Neuroscience</i>	Ordaz, S. J.	Foran, W., Velanova, K., & Luna, B.
2015	<i>Neuroimage</i>	Oswald, A	et al.,
2023	<i>Scandinavian Journal of Public Health</i>	Birgisson	Hysing, Eriksen, Johannsson, Gestsdottir

Windows of developmental sensitivity to social media
The effects of social deprivation on adolescent development and mental health.
Longitudinal growth curves of brain function underlying inhibitory control through adolescence
Risky decision-making and ventral striatal dopamine responses to amphetamine: A positron emission tomography [11C] Raclopride Study in Healthy Adults
The relationship between online communication and adolescents' mental health: Long-term evaluation between genders

Orben, A., Przybylski, A. K., Blakemore, S.-J., & Kievit, R. A. (2022). Windows of developmental sensitivity to social media. *Nature Communications*, 13 (1), 1649. <https://doi.org/10.1038/s41467-022-29296-3>

Orben, A., Tomova, L., & Blakemore, S.-J. (2020). The effects of social deprivation on adolescent development and mental health. *The Lancet. Child & Adolescent Health*, 4(8), 634–640. [https://doi.org/10.1016/S2352-4642\(20\)30186-3](https://doi.org/10.1016/S2352-4642(20)30186-3)

Ordaz, S. J., Foran, W., Velanova, K., & Luna, B. (2013). Longitudinal growth curves of brain function underlying inhibitory control through adolescence. *Journal of Neuroscience*, 33(46), 18109-18124.

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Ottar Birgisson, Hysing, M., Eriksen, H. R., Erlingur Johannsson, & Sunna Gestsdottir. (2023). The relationship between online communication and adolescents' mental health: Long-term evaluation between genders. *Scandinavian Journal of Public Health*, 52 (4), 140349482311613-140349482311613. <https://doi.org/10.1177/14034948231161382>

2017	<i>Minerva Pediatrica</i>	Owens, J. A.	Weiss, M. R.
2021	<i>Journal of Adolescent Research</i>	Paddock	Bell
2024	<i>Body Image</i>	Paddock, D. L.	Bell, B. T. & Cassarly, J.
2025	<i>Body Image</i>	Paddock	Bell, Cassarly
2011	<i>Developmental Cognitive Neuroscience</i>	Padmanabhan, A.	Geier, C. F., Ordaz, S. J., Teslovich, T., & Luna, B.

Insufficient sleep in adolescents: causes and consequences

"It's better saying I look fat instead of saying you look fat": A qualitative study of UK adolescents' understanding of appearance-related interactions on social media

"OMG you look amazing": A systematic examination of the text-based interactions surrounding UK adolescent girls' self-images on Instagram

"OMG you look amazing": A systematic examination of the text-based interactions surrounding UK adolescent girls' self-images on Instagram

Developmental changes in brain function underlying the influence of reward processing on inhibitory control

Owens, J. A., & Weiss, M. R. (2017). Insufficient sleep in adolescents: causes and consequences. *Minerva Pediatrica* , 69(4), 326–336. <https://doi.org/10.23736/S0026-4946.17.04914-3>

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Paddock, D. L., Bell, B. T., & Cassarly, J. (2024). “OMG you look amazing”: A systematic examination of the text-based interactions surrounding UK adolescent girls’ self-images on Instagram. *Body Image* , 52, 101839. <https://doi.org/10.1016/j.bodyim.2024.101839>

Paddock, D.L., Bell, B.T., Cassarly, J. (2025). “OMG you look amazing”: A systematic examination of the text-based interactions surrounding UK adolescent girls’ self-images on Instagram, *Body Image*, Volume 52, 2025, 101839, ISSN 1740-1445, <https://doi.org/10.1016/j.bodyim.2024.101839>.

Padmanabhan, A., Geier, C. F., Ordaz, S. J., Teslovich, T., & Luna, B. (2011). Developmental changes in brain function underlying the influence of reward processing on inhibitory control. *Developmental Cognitive Neuroscience* , 1(4), 517–529. <https://doi.org/10.1016/j.dcn.2011.06.004>

2023	<i>Computers in Human Behavior</i>	Pagano	Pagano, Bacaro, Crocetti
2023	<i>Journal of Child Psychology and Psychiatry</i>	Pagliaccio, D.	Kumar, P., Kamath, R. A., Pizzagalli, D. A., & Auerbach, R. P.
2021	<i>New Media &amp; Society</i>	Pan	Pena
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Pan	Mu, Zhao, Tang
2023	<i>Nature Mental Health</i>	Panayiotou, M.	Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N.



“Using digital media or sleeping ... that is the question”. A meta-analysis on digital media use and unhealthy sleep in adolescence

Neural sensitivity to peer feedback and depression symptoms in adolescents: A 2-year multiwave longitudinal study.

A replication and expansion of the exposure effects of online model photos and social comparison goals on planned behaviors and self-efficacy to lose weight

Female Users’ TikTok Use and Body Image: Active Versus Passive Use and Social Comparison Processes

Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis

Pagano, M., Bacaro, V., & Crocetti, E. (2023). “Using digital media or sleeping ... that is the question”. A meta-analysis on digital media use and unhealthy sleep in adolescence. *Computers in Human Behavior*, 146, 107813.  
<https://doi.org/10.1016/j.chb.2023.107813>

Pagliaccio, D., Kumar, P., Kamath, R. A., Pizzagalli, D. A., & Auerbach, R. P. (2023). Neural sensitivity to peer feedback and depression symptoms in adolescents: A 2-year multiwave longitudinal study. *Journal of Child Psychology and Psychiatry*, 64(2), 254-264.

Pan, W., & Peña, J. (2021). A replication and expansion of the exposure effects of online model photos and social comparison goals on planned behaviors and self-efficacy to lose weight. *New Media & Society*, 26(1), 91-112. <https://doi.org/10.1177/14614448211055367> (Original work published 2024)

Pan, W., Mu, Z., Zhao, Z., & Tang, Z. (2022). Female Users’ TikTok Use and Body Image: Active Versus Passive Use and Social Comparison Processes. *Cyberpsychology, Behavior, and Social Networking*, 26 (1). <https://doi.org/10.1089/cyber.2022.0169>

Panayiotou, M., Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N. (2023). Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis. *Nature Mental Health*, 1, 316–326.  
<https://doi.org/10.1038/s44220-023-00063-7>.

2023	<i>Nature Mental Health</i>	Panayiotou, M.	Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N.
2023	<i>Nature Mental Health</i>	Panayiotou	Black, Carmichael-Murphy, Qualter, & Humphrey
2018	<i>Journal of behavioral addictions</i>	Panova, T.	Carbonell, X.
2016	<i>Computers in Human Behavior</i>	Panova	Lleras
2024	<i>Body Image</i>	Mancin	Ghisi, Spoto, Cerea

Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis

Time spent on social media among the least influential factors in adolescent mentalhealth: preliminary results from a panel network analysis

Is smartphone addiction really an addiction?

Avoidance or boredom: Negative mental health outcomes associated with use of Information and Communication Technologies depend on users' motivations

The relation between body dysmorphic disorder symptoms and photo-based behaviors: is body appreciation a protective factor?

Panayiotou, M., Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N. (2023). Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis. *Nature Mental Health*, 1, 316–326. <https://doi.org/10.1038/s44220-023-00063-7>.

Panayiotou, M., Black, L., Carmichael-Murphy, P., Qualter, P., & Humphrey, N. (2023). Time spent on social media among the least influential factors in adolescent mental health: preliminary results from a panel network analysis. *Nature Mental Health*, 1 (5), 316–326. <https://doi.org/10.1038/s44220-023-00063-7>

Panova, T., & Carbonell, X. (2018). Is smartphone addiction really an addiction?. *Journal of behavioral addictions*, 7(2), 252–259. <https://doi.org/10.1556/2006.7.2018.49>

Panova, T., & Lleras, A. (2016). Avoidance or boredom: Negative mental health outcomes associated with use of Information and Communication Technologies depend on users' motivations. *Computers in Human Behavior*, 58, 249–258. <https://doi.org/10.1016/j.chb.2015.12.062>

Paolo Mancin, Ghisi, M., Spoto, A., & Cerea, S. (2024). The relation between body dysmorphic disorder symptoms and photo-based behaviors: is body appreciation a protective factor? *Body Image*, 51, 101764–101764. <https://doi.org/10.1016/j.bodyim.2024.101764>

2023	<i>Body Image</i>	Parcell	Jeon, Rodgers
2021	<i>Nature Human Behaviour</i>	Parry, D. A.	Davidson, B. I., Sewall, C. J. R., Fisher, J. T., Mieczkowski, H., & Quintana, D. S.
2016	<i>Journal of clinical sleep medicine</i>	Paruthi, S.	Brooks, L. J., D'Ambrosio, C., Hall, W. A., Kotagal, S., Lloyd, R. M., Malow, B. A., Maski, K., Nichols, C., Quan, S. F., Rosen, C. L., Troester, M. M., & Wise, M. S.
2016	<i>Oxford University Press</i>	Passingham, R.	N/A
2007	<i>Handbook of Research Methods in Personality Psychology.</i>	Paulhus, D. L.	Vazire, S.

Effects of COVID-19 specific body positive and diet culture related social media content on body image and mood among young women
A systematic review and meta-analysis of discrepancies between logged and self-reported digital media use.
Recommended Amount of Sleep for Pediatric Populations: A Consensus Statement of the American Academy of Sleep Medicine.
Cognitive neuroscience: A very short introduction
The Self-Report Method

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2021	<i>PLOS One</i>	Paulich	Ross, Lessem, Hewitt
2019	<i>NeuroImage</i>	Paulus, M. P.	Squeglia, L. M., Bagot, K., Jacobus, J., Kuplicki, R., Breslin, F. J., Bodurka, J., Morris, A. S., Thompson, W. K., Bartsch, H., & Tapert, S. F.
2022	<i>Int J Environ Res Public Health.</i>	Pedalino F.	Camerini AL.
2019	<i>Computers in Human Behavior</i>	Peng	Wu, Chen, Atkin
2019	<i>Cognitive, Affective, and Behavioral Neuroscience</i>	Perino, M.T†.	Guassi Moreira, J†., & Telzer, E.H.

Screen time and early adolescent mental health, academic, and social outcomes in 9- and 10- year old children: Utilizing the Adolescent Brain Cognitive Development SM (ABCD) Study

Screen media activity and brain structure in youth: Evidence for diverse structural correlation networks from the ABCD study

Instagram Use and Body Dissatisfaction: The Mediating Role of Upward Social Comparison with Peers and Influencers among Young Females.

Comparing and modeling via social media: The social influences of fitspiration on male instagram users' work out intention

Links between adolescent bullying and neural activation to viewing social exclusion

Paulich, K. N., Ross, J. M., Lessem, J. M., & Hewitt, J. K. (2021). Screen time and early adolescent mental health, academic, and social outcomes in 9- and 10- year old children: Utilizing the Adolescent Brain Cognitive Development SM (ABCD) Study. *PLOS ONE* , 16 (9), e0256591. <https://doi.org/10.1371/journal.pone.0256591>

Paulus, M. P., Squeglia, L. M., Bagot, K., Jacobus, J., Kuplicki, R., Breslin, F. J., Bodurka, J., Morris, A. S., Thompson, W. K., Bartsch, H., & Tapert, S. F. (2019). Screen media activity and brain structure in youth: Evidence for diverse structural correlation networks from the ABCD study. *NeuroImage* , 185, 140–153. <https://doi.org/10.1016/j.neuroimage.2018.10.040>

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Peng, C.-T., Wu, T.-Y., Chen, Y., & Atkin, D. J. (2019). Comparing and modeling via social media: The social influences of fitspiration on male instagram users' work out intention. *Computers in Human Behavior* , 99, 156–167. <https://doi.org/10.1016/j.chb.2019.05.011>

Perino, M.T†., Guassi Moreira, J†., & Telzer, E.H. (2019). Links between adolescent bullying and neural activation to viewing social exclusion. *Cognitive, Affective, and Behavioral Neuroscience* , 19, 1467-1478. <https://doi.org/10.3758/s13415-019-00739-7>

2019	<i>Social Cognitive Affective Neuroscience</i>	Perino, M.T†.	Guassi Moreira, J†., McCormick, E.M†., & Telzer, E.H.
2016	<i>Social Cognitive Affective Neuroscience</i>	Perino, M.T†.	Miernicki, M.E†. & Telzer, E.H.
2019	<i>Sleep</i>	Perrault, A. A.	Bayer, L., Peuvrier, M., Afyouni, A., Ghisletta, P., Brockmann, C., Spiridon, M., Hulo Vesely, S., Haller, D. M., Pichon, S., Perrig, S., Schwartz, S., & Sterpenich, V.
2006	<i>Addiction</i>	Petry N. M.	N/A
2005	<i>The Journal of clinical psychiatry</i>	Petry, N. M.	Stinson, F. S., Grant, B. F.

Apples to apples? Neural correlates of emotion regulation differences between high and low risk adolescents

Letting the good times roll: Adolescence as a period of reduced inhibition to appetitive social cues

Reducing the use of screen electronic devices in the evening is associated with improved sleep and daytime vigilance in adolescents

Should the scope of addictive behaviors be broadened to include pathological gambling?

Comorbidity of DSM-IV pathological gambling and other psychiatric disorders: results from the National Epidemiologic Survey on Alcohol and Related Conditions

Perino, M.T†., Guassi Moreira, J†., McCormick, E.M†., & Telzer, E.H. (2019). Apples to apples? Neural correlates of emotion regulation differences between high and low risk adolescents. *Social Cognitive Affective Neuroscience* , 14, 827-836.  
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<https://doi.org/10.1111/j.1360-0443.2006.01593.x>

Petry, N. M., Stinson, F. S., & Grant, B. F. (2005). Comorbidity of DSM-IV pathological gambling and other psychiatric disorders: results from the National Epidemiologic Survey on Alcohol and Related Conditions. *The Journal of clinical psychiatry* , 66(5), 564–574.  
<https://doi.org/10.4088/jcp.v66n0504>

2018	<i>Annual review of clinical psychology</i>	Petry, N. M.	Zajac, K., Ginley, M. K.
1984	<i>Psychopharmacology</i>	Pettit, H. O.	Ettenberg, A., Bloom, F. E., & Koob, G. F.
2018	<i>Child Dev Perspect</i>	Pfeifer, J.H.	Berkman, E.
2005	<i>Psychology Press</i>	Pickett, C. L.	Gardner, W. L.
2021	<i>Piper, Sandler.</i>	Piper, Sandler.	N/A

Behavioral Addictions as Mental Disorders:  
To Be or Not To Be?

Destruction of dopamine in the nucleus  
accumbens selectively attenuates cocaine but  
not heroin self-administration in rats

The Development of Self and Identity in  
Adolescence: Neural Evidence and  
Implications for a Value-Based Choice  
Perspective on Motivated Behavior

The Social Monitoring System: Enhanced  
Sensitivity to Social Cues as an Adaptive  
Response to Social Exclusion

Taking Stock With Teens: 21 Years Of  
Researching U.S. Teens GenZ Insights.



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Piper, Sandler. (2021). Taking Stock With Teens: 21 Years Of Researching U.S. Teens GenZ Insights. Piper, Sandler.

2022	<i>Journal of Medical Internet Research</i>	Plackett	Sheringham, & Dykxhoorn
2011	<i>Neuron</i>	Poldrack, R. A.	N/A
2017	<i>Nature reviews Neuroscience</i>	Poldrack, R. A.	Baker, C. I., Durnez, J., Gorgolewski, K. J., Matthews, P. M., Munafò, M. R., Nichols, T. E., Poline, J. B., Vul, E., & Yarkoni, T.
2020	<i>Body Image</i>	Politte-Corn	Fardouly
2024	<i>Research on Child and Adolescent Psychopathology</i>	Politte-Corn	Dickey, Abitante, Pegg, Bean, & Kujawa

The Longitudinal Impact of Social Media Use on UK Adolescents' Mental Health: Longitudinal Observational Study

Inferring Mental States from Neuroimaging Data: From Reverse Inference to Large-Scale Decoding.

Scanning the horizon: towards transparent and reproducible neuroimaging research

#nomakeupselfie: The impact of natural no-makeup images and positive appearance comments on young women's body image

Social Media Use as a Predictor of Positive and Negative Affect: An Ecological Momentary Assessment Study of Adolescents with and without clinical depression

Plackett, R., Sheringham, J., & Dykxhoorn, J. (2022). The longitudinal impact of social media use on UK adolescent mental health: A Longitudinal Observational Study. *Journal of Medical Internet Research* , 25 . <https://doi.org/10.2196/43213>

Poldrack, R. A. (2011). Inferring Mental States from Neuroimaging Data: From Reverse Inference to Large-Scale Decoding. *Neuron*, 72(5), 692–697. <https://doi.org/10.1016/j.neuron.2011.11.001>

Poldrack, R. A., Baker, C. I., Durnez, J., Gorgolewski, K. J., Matthews, P. M., Munafò, M. R., Nichols, T. E., Poline, J. B., Vul, E., & Yarkoni, T. (2017). Scanning the horizon: towards transparent and reproducible neuroimaging research. *Nature reviews Neuroscience* , 18(2), 115–126. <https://doi.org/10.1038/nrn.2016.167>

Politte-Corn, M., & Fardouly, J. (2020). #nomakeupsselfie: The impact of natural no-makeup images and positive appearance comments on young women’s body image. *Body Image* , 34 , 233–241. <https://doi.org/10.1016/j.bodyim.2020.07.001>

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2023	<i>Child and Adolescent Mental Health</i>	Politte-Corn	Nick, & Kujawa
2023	<i>Biological Psychiatry</i>	Pollak, O.H†.	Kwon, S†., Jorgensen, N.A†., Lindquist, K.A., Telzer, E.H., & Prinstein, M.J.
2020	<i>Mindfulness</i>	Poon	Jiang
2016	<i>Journal of International Development</i>	Porter, G.	Hampshire, K., Milner, J., Munthali, A., Robson, E., de Lannoy, A., Bango, A., Gunguluza, N., Mashiri, M., Tanle, A., & Abane, A.
2000	<i>Psychological Bulletin</i>	Posner, M. I.	DiGirolamo, G. J.

Age-related differences in social media use, online social support, and depressive symptoms in adolescents and emerging adults

Neural reactivity to social punishment predicts future engagement in nonsuicidal self-injury among peer-rejected adolescents

Getting Less Likes on Social Media: Mindfulness Ameliorates the Detrimental Effects of Feeling Left Out Online

Mobile Phones and Education in Sub-Saharan Africa: From Youth Practice to Public Policy

Cognitive neuroscience:origins and promise

Politte-Corn, M., Nick, E. A., & Kujawa, A. (2023). Age-related differences in social media use, online social support, and depressive symptoms in adolescents and emerging adults. *Child and Adolescent Mental Health* , 28 (4). <https://doi.org/10.1111/camh.12640>

Pollak, O.H†., Kwon, S†., Jorgensen, N.A†., Lindquist, K.A., Telzer, E.H., & Prinstein, M.J. (2023). Neural reactivity to social punishment predicts future engagement in nonsuicidal self-injury among peer-rejected adolescents. *Biological Psychiatry* , 94, 40-49. <https://doi.org/10.1016/j.biopsych.2022.09.030>

Poon, K.-T., & Jiang, Y. (2020). Getting Less Likes on Social Media: Mindfulness Ameliorates the Detrimental Effects of Feeling Left Out Online. *Mindfulness* , 11 (4), 1038–1048. <https://doi.org/10.1007/s12671-020-01313-w>

Porter, G., Hampshire, K., Milner, J., Munthali, A., Robson, E., de Lannoy, A., Bango, A., Gunguluza, N., Mashiri, M., Tanle, A., & Abane, A. (2016). Mobile Phones and Education in Sub-Saharan Africa: From Youth Practice to Public Policy. *Journal of International Development* , 28(1), 22–39. <https://doi.org/10.1002/jid.3116>

Posner, M. I., & DiGirolamo, G. J. (2000). Cognitive neuroscience: origins and promise. *Psychological Bulletin* , 126(6), 873–889. <https://doi.org/10.1037/0033-2909.126.6.873>

2009	<i>Indian Academy of Sciences</i>	Posner, M.	Rao, S.
2014	<i>Trends in Cognitive Sciences</i>	Potenza, M. N.	N/A
2019	<i>Nature Reviews Disease Primers</i>	Potenza, M. N.	Balodis, I. M., Derevensky, J., Grant, J. E., Petry, N. M., Verdejo-Garcia, A., & Yip, S. W.
2003	<i>The American journal of psychiatry</i>	Potenza, M. N.	Leung, H. C., Blumberg, H. P., Peterson, B. S., Fulbright, R. K., Lacadie, C. M., Skudlarski, P., & Gore, J. C.
2024	<i>Child Development</i>	Pouwels	Beyens, Keijers, & Valkenburg



Cognitive neuroscience: Development and prospects

The neural bases of cognitive processes in gambling disorder.

Gambling disorder

An FMRI Stroop task study of ventromedial prefrontal cortical function in pathological gamblers

Changing or stable? The effects of adolescents' social media use on psychosocial functioning

Posner, M., & Rao, S. (2009). Cognitive neuroscience: Development and prospects. *Indian Academy of Sciences* .

Potenza, M. N. (2014). The neural bases of cognitive processes in gambling disorder. *Trends in Cognitive Sciences*, 18(8), 429–438. <https://doi.org/10.1016/j.tics.2014.03.007>

Potenza, M. N., Balodis, I. M., Derevensky, J., Grant, J. E., Petry, N. M., Verdejo-Garcia, A., & Yip, S. W. (2019). Gambling disorder. *Nature Reviews Disease Primers*, 5(1), 1–21. <https://doi.org/10.1038/s41572-019-0099-7>

Potenza, M. N., Leung, H. C., Blumberg, H. P., Peterson, B. S., Fulbright, R. K., Lacadie, C. M., Skudlarski, P., & Gore, J. C. (2003). An fMRI Stroop task study of ventromedial prefrontal cortical function in pathological gamblers. *The American journal of psychiatry* , 160(11), 1990–1994. <https://doi.org/10.1176/appi.ajp.160.11.1990>

Pouwels, J. L., Beyens, I., Keijsers, L., & Valkenburg, P. M. (2024). Changing or stable? The effects of adolescents' social media use on psychosocial functioning. *Child Development* . <https://doi.org/10.1111/cdev.14207>

2021	<i>Developmental Psychology</i>	Pouwels	Valkenburg, Beyens, van Driel, & Keijsers
2021	<i>Scientific Reports</i>	Pouwels	Valkenburg, Beyens, van Driel, & Keijsers
2020	<i>Body Image</i>	Prichard	Kavanagh, Mulgrew, Lim, Tiggemann
2018	<i>Sex Roles</i>	Prichard	McLachlan, Lavis, Tiggemann
2021	<i>Body Image</i>	Prichard	O'Toole, Wu, Harford, & Tiggemann

Social Media Use and Friendship Closeness in Adolescents' Daily Lives: An Experience Sampling Study

Some socially poor but also some socially rich adolescents feel closer to their friends after using social media

The effect of Instagram #fitspiration images on young women's mood, body image, and exercise behavior

The Impact of Different Forms of #fitspiration Imagery on Body Image, Mood, and Self-Objectification among Young Women

No likes, no problem? Users' reactions to the removal of Instagram number of likes on other people's posts and links to body image

Pouwels, J. L., Valkenburg, P. M., Beyens, I., van Driel, I. I., & Keijsers, L. (2021). Social media use and friendship closeness in adolescents' daily lives: An experience sampling study. *Developmental Psychology*, 57 (2), 309–323. <https://doi.org/10.1037/dev0001148>

Pouwels, J. L., Valkenburg, P. M., Beyens, I., van Driel, I. I., & Keijsers, L. (2021). Some socially poor but also some socially rich adolescents feel closer to their friends after using social media. *Scientific Reports*, 11 (1). <https://doi.org/10.1038/s41598-021-99034-0>

Prichard, I., Kavanagh, E., Mulgrew, K. E., Lim, M. S. C., & Tiggemann, M. (2020). The Effect of Instagram #fitspiration Images on Young Women's mood, Body image, and Exercise Behaviour. *Body Image*, 33 (1), 1–6. <https://doi.org/10.1016/j.bodyim.2020.02.002>

Prichard, I., McLachlan, A.C., Lavis, T. *et al.* (2018). The Impact of Different Forms of #fitspiration Imagery on Body Image, Mood, and Self-Objectification among Young Women. *Sex Roles* 78, 789–798. <https://doi.org/10.1007/s11199-017-0830-3>

Prichard, I., O'Toole, S., Wu, Y., Harford, J., & Tiggemann, M. (2021). No likes, no problem? Users' reactions to the removal of Instagram number of likes on other people's posts and links to body image. *Body Image*, 38, 72–79. <https://doi.org/10.1016/j.bodyim.2021.03.007>

2023	<i>Body Image</i>	Prichard	Taylor, Tiggemann
1989	<i>Dev Psychobiol</i>	Primus, R.J.	Kellogg, C.K.
2020	<i>Journal of Child Psychology and Psychiatry</i>	Prinstein, M.J.	Prinstein, M.J., Nesi, J., & Telzer, E.H.
2022	<i>Italian Journal of Pediatrics</i>	Pruccoli	De Rosa, Chiasso, Perrone, Parmeggiani
2022	<i>Body Image</i>	Pryde	Prichard

Comparing and self-objectifying: The effect of sexualized imagery posted by Instagram Influencers on women's body image
Pubertal-related changes influence the development of environment-related social interaction in the male rat
Commentary: An updated agenda for the study of digital media use and adolescent development – future directions following Odgers & Jensen (2020)
The use of TikTok among children and adolescents with Eating Disorders: experience in a third-level public Italian center during the SARS-CoV-2 pandemic
TikTok on the clock but the #fitspo don't stop: The impact of TikTok fitspiration videos on women's body image concerns

Prichard, I., Taylor, B., & Tiggemann, M. (2023). Comparing and self-objectifying: The effect of sexualized imagery posted by Instagram Influencers on women's body image. *Body Image*, 46 (1740-1445), 347–355. <https://doi.org/10.1016/j.bodyim.2023.07.002>

Primus RJ, Kellogg CK. Pubertal-related changes influence the development of environment-related social interaction in the male rat. *Dev Psychobiol*. 1989 Sep;22(6):633-43. doi: 10.1002/dev.420220608. PMID: 2792573.136.

Prinstein, M.J., Nesi, J., & Telzer, E.H. (2020). Commentary: An updated agenda for the study of digital media use and adolescent development – future directions following Odgers & Jensen (2020). *Journal of Child Psychology and Psychiatry*, 61(3), 349-352 <https://doi.org/10.1111/jcpp.13190>

Pruccoli, J., De Rosa, M., Chiasso, L. *et al.* (2022). The use of TikTok among children and adolescents with Eating Disorders: experience in a third-level public Italian center during the SARS-CoV-2 pandemic. *Italian Journal of Pediatrics* .48, 138. <https://doi.org/10.1186/s13052-022-01308-4>

Pryde, S., & Prichard, I. (2022). TikTok on the clock but the #fitspo don't stop: The impact of TikTok fitspiration videos on women's body image concerns. *Body Image*, 43 (43), 244–252. <https://doi.org/10.1016/j.bodyim.2022.09.004>



2013	<i>Computers in Human Behavior</i>	Przybylski, A. K.	Murayama, K., DeHaan, C. R., & Gladwell, V.
2020	<i>International Journal of Environmental Research and Public Health</i>	Puuko	Hietajarvi, Maksniemi, Alho, Salmela-Aro
2023	<i>Environmental Research and Public Health</i>	Qin, Y.	Musetti A., Omar, B.
2023	<i>Journal of Affective Disorders</i>	Qu, D.	Zhang, X., Wang, J., Liu, B., Wen, X., Feng, Y., & Chen, R.
2021	<i>Perspectives on Psychological Science</i>	Qu, Y.	Jorgensen, N. A., & Telzer, E. H.

Motivational, emotional, and behavioral correlates of fear of missing out.

Social Media Use and Depressive Symptoms—A Longitudinal Study from Early to Late Adolescence

Flow Experience Is a Key Factor in the Likelihood of Adolescents' Problematic TikTok Use: The Moderating Role of Active Parental Mediation

New form of addiction: An emerging hazardous addiction problem of milk tea among youths

A call for greater attention to culture in the study of brain and development

Przybylski, A. K., Murayama, K., DeHaan, C. R., & Gladwell, V. (2013). Motivational, emotional, and behavioral correlates of fear of missing out. *Computers in Human Behavior*, 29(4), 1841–1848. <https://doi.org/10.1016/j.chb.2013.02.014>

Puukko, K., Hietajärvi, L., Maksniemi, E., Alho, K., & Salmela-Aro, K. (2020). Social Media Use and Depressive Symptoms—A Longitudinal Study from Early to Late Adolescence. *International Journal of Environmental Research and Public Health*, 17(16), 5921. <https://www.mdpi.com/1660-4601/17/16/5921>

Qin, Y., Musetti, A., & Omar, B. (2023). Flow Experience Is a Key Factor in the Likelihood of Adolescents' Problematic TikTok Use: The Moderating Role of Active Parental Mediation. *International Journal of Environmental Research and Public Health*, 20(3), 2089. <https://doi.org/10.3390/ijerph20032089>

Qu, D., Zhang, X., Wang, J., Liu, B., Wen, X., Feng, Y., & Chen, R. (2023). New form of addiction: An emerging hazardous addiction problem of milk tea among youths. *Journal of Affective Disorders*, 341, 26–34. <https://doi.org/10.1016/j.jad.2023.08.102>

Qu, Y., Jorgensen, N. A., & Telzer, E. H. (2021). A call for greater attention to culture in the study of brain and development. *Perspectives on Psychological Science*, 16(2), 275–293. <https://doi.org/10.1177/1745691620931461>

2021	<i>Perspectives on Psychological Science</i>	Qu, Y.	Jorgensen, N.A†., & Telzer, E.H.
2020	<i>Journal of Youth and Adolescence</i>	Qu, Y.	Yang, B., & Telzer, E.H.
2017	<i>Cultural Diversity and Ethnic Minority Psychology</i>	Qu, Y†.	Telzer, E.H.
2018	<i>Wiley Press</i>	Qu, Y†.	Telzer, E.H.
2015	<i>Developmental Cognitive Neuroscience</i>	Qu, Y†.	Fuligni, A.J., Gálvan, A., & Telzer, E.H.

A call for greater attention to culture in the study of brain and development

The cost of academic focus: Daily school problems and biopsychological adjustment in Chinese American families

Cultural differences in beliefs, practices, and neural mechanisms of emotion regulation

Developmental cultural neuroscience (pgs. 3-30). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). The Handbook of Culture and Biology

Buffering effect of positive parent-child relationships on adolescent risk taking: A longitudinal neuroimaging investigation

Qu, Y., Jorgensen, N.A†., & Telzer, E.H. (2021). A call for greater attention to culture in the study of brain and development. *Perspectives on Psychological Science* , 16, 275-293. <https://doi.org/10.1177/1745691620931461>

Qu, Y., Yang, B., & Telzer, E.H. (2020). The cost of academic focus: Daily school problems and biopsychological adjustment in Chinese American families. *Journal of Youth and Adolescence* , 49, 1631-1644. <https://doi.org/10.1007/s10964-020-01255-5>

Qu, Y†. & Telzer, E.H. (2017). Cultural differences in beliefs, practices, and neural mechanisms of emotion regulation. *Cultural Diversity and Ethnic Minority Psychology* , 23, 36-44. <https://doi.org/10.1037/cdp0000112>

Qu, Y†. & Telzer, E.H. (2018). Developmental cultural neuroscience (pgs. 3-30). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>

Qu, Y†., Fuligni, A.J., Gálvan, A., & Telzer, E.H. (2015). Buffering effect of positive parent-child relationships on adolescent risk taking: A longitudinal neuroimaging investigation. *Developmental Cognitive Neuroscience* ,15, 26-34. <https://doi.org/10.1016/j.dcn.2015.08.005>

2018	<i>The Russel Sage Foundation Journal of the Social Sciences</i>	Qu, Y†.	Fuligni, A.J., Gálvan, A., & Telzer, E.H.
2016	<i>Social Cognitive Affective Neuroscience</i>	Qu, Y†.	Fuligni, A.J., Gálvan, A., Lieberman, M.D., & Telzer, E.H.
2015	<i>Journal of Neuroscience</i>	Qu, Y†.	Galvan, A., Fuligni, A.J., Lieberman, M.D., & Telzer, E.H.
2019	<i>Frontiers in Human Neuroscience</i>	Qu, Y†.	Lin, L.C†., & Telzer, E.H.
2018	<i>Child Development</i>	Qu, Y†.	Pomerantz, E.M., McCormick, E.M†., & Telzer, E.H.

A biopsychosocial approach to examine Mexican-American adolescents' academic achievement and substance use
Links between parental depression and longitudinal changes in youths' neural sensitivity to rewards
Longitudinal changes in prefrontal cortex activation underlie declines in adolescent risk taking
Culture modulates the neural correlates underlying risky exploration
Youth's conceptions of adolescence predict longitudinal changes in prefrontal cortex activation and risk taking



Qu, Y†., Fuligni, A.J., Gálvan, A., & Telzer, E.H. (2018). A biopsychosocial approach to examine Mexican-American adolescents' academic achievement and substance use. *The Russel Sage Foundation Journal of the Social Sciences* , 4 84-97.  
<https://doi.org/10.7758/RSF.2018.4.4.05>. Special Issue on Biosocial Pathways of Well-Being across the Life Course.

Qu, Y†., Fuligni, A.J., Gálvan, A., Lieberman, M.D., & Telzer, E.H. (2016). Links between parental depression and longitudinal changes in youths' neural sensitivity to rewards. *Social Cognitive Affective Neuroscience* , 11, 1262-1271. <https://doi.org/10.1093/scan/nsw035>

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Qu, Y†., Lin, L.C†., & Telzer, E.H. (2019). Culture modulates the neural correlates underlying risky exploration. *Frontiers in Human Neuroscience* , 13, 1-12.  
<https://doi.org/10.3389/fnhum.2019.00171>. Special issue on The Neuroscience of Cultural Learning: From Acculturation to Radicalization

Qu, Y†., Pomerantz, E.M., McCormick, E.M†., & Telzer, E.H. (2018). Youth's conceptions of adolescence predict longitudinal changes in prefrontal cortex activation and risk taking. *Child Development* , 89, 773-783. <https://doi.org/10.1111/cdev.13017>. Special issue on Inflection Points in Brain Development: Evidence for Plasticity during Childhood and Adolescence.

2018	<i>The Journal of the American Medical Association</i>	Ra, C. K.	Cho, J., Stone, M. D., De La Cerda, J., Goldenson, N. I., Moroney, E., Tung, I., Lee, S. S., & Leventhal, A. M.
2017	<i>Journal of Adolescence</i>	Radovic	Gmelin, Stein, & Miller
2015	<i>Frontiers in Psychology</i>	Rae	Lonborg
2023	<i>PLoS One.</i>	Raffoul A.	Ward ZJ, Santoso M, Kavanaugh JR, Austin SB.
2016	<i>Journal of the Canadian Academy of Child and Adolescent Psychiatry</i>	Ragelienė, T.	N/A

Association of Digital Media Use With Subsequent Symptoms of Attention-Deficit/Hyperactivity Disorder Among Adolescents
Depressed adolescents' positive and negative use of social media
Do motivations for using Facebook moderate the association between Facebook use and psychological well-being?
Social media platforms generate billions of dollars in revenue from U.S. youth: Findings from a simulated revenue model.
Links of adolescents identity development and relationship with peers: A systematic literature review

Ra, C. K., Cho, J., Stone, M. D., De La Cerda, J., Goldenson, N. I., Moroney, E., Tung, I., Lee, S. S., & Leventhal, A. M. (2018). Association of Digital Media Use With Subsequent Symptoms of Attention-Deficit/Hyperactivity Disorder Among Adolescents. *The Journal of the American Medical Association*, 320(3), 255–263. <https://doi.org/10.1001/jama.2018.8931>

Radovic, A., Gmelin, T., Stein, B. D., & Miller, E. (2017). Depressed adolescents' positive and negative use of social media. *Journal of Adolescence*, 55 (55), 5–15. <https://doi.org/10.1016/j.adolescence.2016.12.002>

Rae, J. R., & Lonborg, S. D. (2015). Do motivations for using Facebook moderate the association between Facebook use and psychological well-being? *Frontiers in Psychology*, 6. <https://doi.org/10.3389/fpsyg.2015.00771>

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Ragelienė, T. (2016). Links of adolescents identity development and relationship with peers: A systematic literature review. *Journal of the Canadian Academy of Child and Adolescent Psychiatry*, 25(2), 97.

2022	<i>Cambridge Quarterly of Healthcare Ethics</i>	Raheemullah, A.	N/A
2023	<i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i>	Rakesh, D.	Zalesky, A., Whittle, S.
2024	<i>Narra J</i>	Ramadhan	Rampengan, D. D., Yumnanisha, D. A., Setiono, S. B., Tjandra, K. C., Ariyanto, M. V., Idrisov, B., Empitu, M. A.
2024	<i>International Journal of Mental Health and Addiction</i>	Ramsden, E.	Talbot, C. V.
2004	<i>Journal of Research on Adolescence</i>	Rankin, J. L.	Lane, D. J., Gibbons, F. X., Gerrard, M.

Dopamine Nation: Finding Balance in the Age of Indulgence by Anna Lembke
The role of school environment in brain structure, connectivity, and mental health in children: A multimodal investigation
Impacts of digital social media detox for mental health a systematic review
The role of tiktok in students' health and wellbeing
Adolescent Self-Consciousness: Longitudinal Age Changes and Gender Differences in Two Cohorts

Raheemullah, A. (2022). Dopamine Nation: Finding Balance in the Age of Indulgence by Anna Lembke, New York: Dutton, 2021. *Cambridge Quarterly of Healthcare Ethics*, 31(4), 573–574. <https://doi.org/10.1017/S0963180122000032>

Rakesh, D., Zalesky, A., & Whittle, S. (2023). The role of school environment in brain structure, connectivity, and mental health in children: A multimodal investigation. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 8(1), 32-41.

Ramadhan, R. N., Rampengan, D. D., Yumnانشa, D. A., Setiono, S. B., Tjandra, K. C., Ariyanto, M. V., Idrisov, B., & Empitu, M. A. (2024). Impacts of digital social media detox for mental health: A systematic review and meta-analysis. *Narra J*, 4(2), e786. <https://doi.org/10.52225/narra.v4i2.786>

Ramsden, E., & Talbot, C. V. (2024). The role of tiktok in students' health and wellbeing. *International Journal of Mental Health and Addiction*. <https://doi.org/10.1007/s11469-023-01224-6>

Rankin, J. L., Lane, D. J., Gibbons, F. X., & Gerrard, M. (2004). Adolescent Self-Consciousness: Longitudinal Age Changes and Gender Differences in Two Cohorts. *Journal of Research on Adolescence*, 14(1), 1-21.

2019	<i>Journal of Adolescence</i>	Raudsepp	N/A
2019	<i>Preventative Medicine Reports</i>	Raudseppa	Kais
2021	<i>Child Development</i>	Raufelder, D.	Neumann, N., Domin, M., Lorenz, R. C., Gleich, T., Golde, S., ... & Hoferichter, F.
2020	<i>Journal of Family Studies</i>	Ravindran, N†.	Hu, Y., McElwain, N.L. & Telzer, E.H.
2022	<i>Child and Adolescent Mental Health</i>	Reardon	Lushington, Agostini



Brief report: Problematic social media use and sleep disturbances are longitudinally associated with depressive symptoms in adolescents.

Longitudinal associations between problematic social media use and depressive symptoms in adolescent girls

Do belonging and social exclusion at school affect structural brain development during adolescence?

Dynamics of mother-adolescent and father-adolescent autonomy and control during a conflict discussion task

Adolescent sleep, distress, and technology use: weekday versus weekend

Raudsepp, L. (2019). Brief report: Problematic social media use and sleep disturbances are longitudinally associated with depressive symptoms in adolescents. *Journal of Adolescence* , 76 (0140-1971), 197–201. <https://doi.org/10.1016/j.adolescence.2019.09.005>

Raudsepp, L., & Kais, K. (2019). Longitudinal associations between problematic social media use and depressive symptoms in adolescent girls. *Preventive Medicine Reports* , 15 (15), 100925. <https://doi.org/10.1016/j.pmedr.2019.100925>

Raufelder, D., Neumann, N., Domin, M., Lorenz, R. C., Gleich, T., Golde, S., ... & Hoferichter, F. (2021). Do belonging and social exclusion at school affect structural brain development during adolescence?. *Child Development* , 92 (6), 2213-2223.

Ravindran, N†., Hu, Y., McElwain, N.L. & Telzer, E.H. (2020). Dynamics of mother-adolescent and father-adolescent autonomy and control during a conflict discussion task. *Journal of Family Studies* , 34(3), 312–321. <https://doi.org/10.1037/fam0000588>

Reardon, A., Lushington, K., & Agostini, A. (2022). Adolescent sleep, distress, and technology use: weekday versus weekend. *Child and Adolescent Mental Health* , 28 (1). <https://doi.org/10.1111/camh.12616>

2023	<i>Journal of Technology in Behavioral Science</i>	Reed, P.	Fowkes, T., & Khela, M.
2018	<i>Computers in Human</i>	Reich	Schneider, Heling
2023	<i>Behaviour &amp; Information Technology</i>	Reich	Schneider, Zwillich
2023	<i>Journal of Adolescence</i>	Reichenberger	Master, Mathew, Snyder, Buxton, Hale, Chang
2016	<i>Pediatrics</i>	Reid Chassiakos, Y. L.	Radesky, J., Christakis, D., Moreno, M. A., Cross, C., & COUNCIL ON COMMUNICATIONS AND MEDIA

Reduction in Social Media Usage Produces Improvements in Physical Health and Wellbeing: an RCT
Zero Likes e Symbolic interactions and need satisfaction online
No Likes – no control? Examining the role of coping deprivation and social anxiety in social media ostracism
Interactive Screen-Based Activities Predict Worse Actigraphic Sleep Health That Night Among Adolescents
Children and Adolescents and Digital Media

Reed, P., Fowkes, T., & Khela, M. (2023). Reduction in Social Media Usage Produces Improvements in Physical Health and Wellbeing: an RCT. *Journal of Technology in Behavioral Science* , 8 , 140–147. <https://doi.org/10.1007/s41347-023-00304-7>

Reich, S., Schneider, F. M., & Heling, L. (2018). Zero Likes – Symbolic interactions and need satisfaction online. *Computers in Human Behavior* , 80 , 97–102. <https://doi.org/10.1016/j.chb.2017.10.043>

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Reichenberger, D., Master, L., Mathew, G.M., Snyder, C. K., Buxton, O. M., Hale, L., & Chang, A-M. (2023). Interactive Screen-Based Activities Predict Worse Actigraphic Sleep Health That Night Among Adolescents. *Journal of Adolescent Health* , 74 (4). <https://doi.org/10.1016/j.jadohealth.2023.10.027>

Reid Chassiakos, Y. L., Radesky, J., Christakis, D., Moreno, M. A., Cross, C., & COUNCIL ON COMMUNICATIONS AND MEDIA (2016). Children and Adolescents and Digital Media. *Pediatrics* , 138(5), e20162593. <https://doi.org/10.1542/peds.2016-2593>

2018	<i>Plos One</i>	Reinecke, L.	Klimmt, C., Meier, A., Reich, S., Hefner, D., Knop-Huelss, K., Rieger, D., & Vorderer, P.
2018	<i>Computers in Human Behavior</i>	Reissmann	Hauser, Stollberg, Kaunzinger, & Lange
2002	<i>Psychological Bulletin</i>	Repetti, R.L.	Taylor, S.E., Seeman, T.E.
2021	<i>Frontiers in Neural Circuits</i>	Reynolds, L. M.	Flores, C.
2024	<i>Social Media &amp; Society</i>	Riccio	Colin, Ogolla, & Oliver

Permanently online and permanently connected: Development and validation of the Online Vigilance Scale
The role of loneliness in emerging adults' everyday use of facebook– An experience sampling approach
Risky Families: Family Social Environments and the Mental and Physical Health of Offspring.
Mesocorticolimbic Dopamine Pathways Across Adolescence: Diversity in Development.
Mirror, Mirror on the Wall, Who Is the Whitest of All? Racial Biases in Social Media Beauty Filters

Reinecke, L., Klimmt, C., Meier, A., Reich, S., Hefner, D., Knop-Huelss, K., Rieger, D., & Vorderer, P. (2018). Permanently online and permanently connected: Development and validation of the Online Vigilance Scale. *Plos One* , 13(10), e0205384.  
<https://doi.org/10.1371/journal.pone.0205384>

Reissmann, A., Hauser, J., Stollberg, E., Kaunzinger, I., & Lange, K. W. (2018). The role of loneliness in emerging adults' everyday use of facebook – An experience sampling approach. *Computers in Human Behavior* , 88 , 47–60.  
<https://doi.org/10.1016/j.chb.2018.06.011>

Repetti, R.L., Taylor, S.E., Seeman, T.E. (2002). Risky Families: Family Social Environments and the Mental and Physical Health of Offspring. *Psychological Bulletin* , 128(2), 330-66. PMID: 11931522. <https://pubmed.ncbi.nlm.nih.gov/11931522/>;

Reynolds, L. M., & Flores, C. (2021). Mesocorticolimbic Dopamine Pathways Across Adolescence: Diversity in Development. *Frontiers in Neural Circuits*, 15, 735625.  
<https://doi.org/10.3389/fncir.2021.735625>

Riccio, P., Colin, J., Ogolla, S., & Oliver, N. (2024). Mirror, Mirror on the Wall, Who Is the Whitest of All? Racial Biases in Social Media Beauty Filters. *Social Media + Society*, 10(2). <https://doi.org/10.1177/20563051241239295>



2024	<i>Springer Nature Switzerland</i>	Rich, G. J.	Kumar, V. K., & Farley, F. H. (Eds.).
2025	<i>SSM - Mental Health</i>	Richards, J	Niitus, K.; Kenworthy, N.
2019	<i>JAMA Psychiatry</i>	Riehm, K. E.	Feder, K. A. & Tormohlen, K. N.
2019	<i>JAMA Psychiatry</i>	Riehm	Feder, Tormohlen, Crum, Young, Green, Pacek, LaFlair, & Mojtabai
2019	<i>JAMA Psychiatry</i>	Riehm	Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., Mojtabai, R.

Handbook of Media Psychology: The Science and the Practice

Mental Health v. Social Media: How US pretrial filings against social media platforms frame and leverage evidence for claims of youth mental health harms

Associations between Time Spent Using Social Media and Internalizing and Externalizing Problems among US Youth

Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth

Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth

Rich, G. J., Kumar, V. K., & Farley, F. H. (Eds.). (2024). *Handbook of Media Psychology: The Science and the Practice*. Springer Nature Switzerland. <https://doi.org/10.1007/978-3-031-56537-3>

Richards, J., Niitsu, K., Kenworthy, N. (2025) Mental Health v. Social Media: How US pretrial filings against social media platforms frame and leverage evidence for claims of youth mental health harms, *SSM - Mental Health*, Volume 7, 2025, 100378, ISSN 2666-5603, <https://doi.org/10.1016/j.ssmmh.2024.100378>.

Riehm, K. E., Feder, K. A., & Tormohlen, K. N. (2019). Associations between Time Spent Using Social Media and Internalizing and Externalizing Problems among US Youth. *JAMA Psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Riehm, K. E., Feder, K. A., & Tormohlen, K. N. et al. (2019). Associations between Time Spent Using Social Media and Internalizing and Externalizing Problems among US Youth. *JAMA Psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Riehm, K. E., Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., & Mojtabai, R. (2019). Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth. *JAMA psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

2019	<i>JAMA Psychiatry.</i>	Riehm, K. E.	Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., & Mojtabai, R.
2022	<i>Journal of Affective Disorders</i>	Robertson	Twenge, Joiner, Cummins
2023	<i>Cyberpsychology, Behavior, and Social Networking</i>	Roberts	David
2014	<i>Sleep</i>	Roberts, R.E.	Duong, H.T.
2022	<i>Body Image</i>	Roberts	Maheux, Hunt, Ladd, Choukas-Bradley

Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth.

Associations between screen time and internalizing disorder diagnoses among 9- to 10-year-olds

Instagram and TikTok Flow States and Their Association with Psychological Well-Being

The prospective association between sleep deprivation and depression among adolescents.

Incorporating social media and muscular ideal internalization into the tripartite influence model of body image: Towards a modern understanding of adolescent girls' body dissatisfaction

Riehm, K. E., Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., & Mojtabai, R. (2019). Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth. *JAMA psychiatry* , 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Roberston, L., Twenge, J. M., Joiner, T. E., & Cummins, K. (2022). Associations between screen time and internalizing disorder diagnoses among 9- to 10-year-olds. *Journal of Affective Disorders* , 311 . <https://doi.org/10.1016/j.jad.2022.05.071>

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Roberts, R. E., & Duong, H. T. (2014). The Prospective Association between Sleep Deprivation and Depression among Adolescents. *Sleep* , 37 (2), 239–244. <https://doi.org/10.5665/sleep.3388>

Roberts, S. R., Maheux, A. J., Hunt, R. A., Ladd, B. A., & Choukas-Bradley, S. (2022). Incorporating social media and muscular ideal internalization into the tripartite influence model of body image: Towards a modern understanding of adolescent girls' body dissatisfaction. *Body Image* , 41 (41), 239–247. <https://doi.org/10.1016/j.bodyim.2022.03.002>

2022	<i>Body Image</i>	Roberts, T.-A.	Daniels, E. A., Weaver, J. M., & Zanolvitch, L. S.
2002	<i>The Journal of neuroscience: the official journal of the Society for Neuroscience</i>	Robinson, D. L.	Heien, M. L., & Wightman, R. M.
2017	<i>Body Image</i>	Robinson	Prichard, Nikolaidis, Drummond, Drummond, Tiggemann
2004	<i>Neuropharmacology</i>	Robinson, T. E.	Kolb, B.
2023	<i>Body Image</i>	Rodgers	Laveway, Zalvino, Cardone, Wang

“Intermission!” A short-term social media fast reduces self-objectification among pre-teen and teen dancers

Frequency of dopamine concentration transients increases in dorsal and ventral striatum of male rats during introduction of conspecifics

Idealised media images: The effect of fitpiration imagery on bodysatisfaction and exercise behaviour

Structural plasticity associated with exposure to drugs of abuse.

#BodyPositive: A qualitative exploration of young people’s responses to body positive social media content



Roberts, T.-A., Daniels, E. A., Weaver, J. M., & Zanovitch, L. S. (2022). “Intermission!” A short-term social media fast reduces self-objectification among pre-teen and teen dancers. *Body Image* , 43, 125–133. <https://doi.org/10.1016/j.bodyim.2022.08.015>

Robinson, D. L., Heien, M. L., & Wightman, R. M. (2002). Frequency of dopamine concentration transients increases in dorsal and ventral striatum of male rats during introduction of conspecifics. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 22(23), 10477–10486. <https://doi.org/10.1523/JNEUROSCI.22-23-10477.2002>

Robinson, L., Prichard, I., Nikolaidis, A., Drummond, C., Drummond, M., & Tiggemann, M. (2017). Idealised media images: The effect of fitspiration imagery on body satisfaction and exercise behaviour. *Body Image* , 22 (22), 65–71. <https://doi.org/10.1016/j.bodyim.2017.06.001>

Robinson, T. E., & Kolb, B. (2004). Structural plasticity associated with exposure to drugs of abuse. *Neuropharmacology*, 47, 33–46. <https://doi.org/10.1016/j.neuropharm.2004.06.025>

Rodgers, R. F., Laveway, K., Zalvino, J., Cardone, W., & Wang, L. (2023). #BodyPositive: A qualitative exploration of young people’s responses to body positive social media content. *Body Image* , 47 , 101613–101613. <https://doi.org/10.1016/j.bodyim.2023.08.005>

2020	<i>Adolescent Research Review</i>	Rodgers, R. F.	McLean, S. A., Gordon, C. S., Slater, A., Marques, M. D., Jarman, H. K., & Paxton, S. J.
2024	<i>Body Image</i>	Rodgers	Paxton, Wetheim, Fuller-Tyszkiewicz
2025	<i>Sex Roles</i>	Rodgers	Paxton, Wetheim
2020	<i>Journal of Youth and Adolescence</i>	Rodgers	Slater, Gordon, McLean, Jarman, Paxton
2024	<i>Affective Science</i>	Rodman	Burns, Cotter, Ohashi, Rich, & McLaughlin

Development and validation of the motivations for social media use scale (MSMU) among adolescents
Better than average Bopo: Identifying which body positive social media content is most helpful for body image among women
Do Images Speak Louder Than Words? Effects of Body Positive and Fitspiration Quotes and Images on State Body Image in Women and Men
A Biopsychosocial Model of Social Media Use and Body Image Concerns, Disordered Eating, and Muscle-Building Behaviors among Adolescent Girls and Boys
Within-person fluctuations in objective smartphone use and emotional processes during adolescence: An intensive longitudinal study

Rodgers, R. F., Mclean, S. A., Gordon, C. S., Slater, A., Marques, M. D., Jarman, H. K., & Paxton, S. J. (2020). Development and validation of the motivations for social media use scale (MSMU) among adolescents. *Adolescent Research Review*. <https://doi.org/10.1007/s40894-020-00139-w>

Rodgers, R. F., Paxton, S. J., Wertheim, E. H., & Fuller-Tyszkiewicz, M. (2024). Better than average Bopo: Identifying which body positive social media content is most helpful for body image among women. *Body Image*, 51, 101773–101773. <https://doi.org/10.1016/j.bodyim.2024.101773>

Rodgers, R.F., Paxton, S.J. & Wertheim, E.H. (2025). Do Images Speak Louder Than Words? Effects of Body Positive and Fitspiration Quotes and Images on State Body Image in Women and Men. *Sex Roles*, 91, 10 <https://doi.org/10.1007/s11199-024-01553-3>

Rodgers, R.F., Slater, A., Gordon, C.S. *et al.* (2020). A Biopsychosocial Model of Social Media Use and Body Image Concerns, Disordered Eating, and Muscle-Building Behaviors among Adolescent Girls and Boys. *Journal of Youth Adolescence* 49, 399–409. <https://doi.org/10.1007/s10964-019-01190-0>

Rodman, A. M., Burns, J. A., Cotter, G. K., Ohashi, Y.-G. B., Rich, R. K., & McLaughlin, K. A. (2024). Within-Person Fluctuations in Objective Smartphone Use and Emotional Processes During Adolescence: An Intensive Longitudinal Study. *Affective Science*. <https://doi.org/10.1007/s42761-024-00247-z>

2022	<i>Developmental Cognitive Neuroscience</i>	Rogers, C.R†.	Chen, X†., Kwon, S†., McElwain, N.L., & Telzer, E.H.
2022	<i>Social Cognitive Affective Neuroscience</i>	Rogers, C.R†.	Fry, C.M†., Lee, T†., Galvan, M., Gates, K.M. & Telzer, E.H.
2023	<i>Journal of Youth and Adolescence</i>	Rogers, C.R†.	Jimenez, V†., Benjamin, A†., Rudolph, K.D., & Telzer, E.H.
2021	<i>Journal of Research on Adolescence</i>	Rogers, C.R†.	Lee, T†., Fry, C.M†., & Telzer, E.H.
2018	<i>Social Cognitive Affective Neuroscience</i>	Rogers, C.R†.	McCormick, E.M†., van Hoorn, J†., Ivory, S†., & Telzer, E.H.

The role of early attachment and parental presence in adolescent behavioral and neurobiological regulation
Neural connectivity underlying adolescent social learning in sibling dyads
The effect of parents and peers on the neural correlates of risk taking and antisocial behavior during adolescence
Where you lead, I'll follow: Exploring sibling similarity in brain and behavior during risky decision-making
Neural correlates of sibling closeness and association with externalizing behavior in adolescence

Rogers, C.R†., Chen, X†., Kwon, S†., McElwain, N.L., & Telzer, E.H. (2022). The role of early attachment and parental presence in adolescent behavioral and neurobiological regulation. *Developmental Cognitive Neuroscience* , 53, 101046. <https://doi.org/10.1016/j.dcn.2021.101046>

Rogers, C.R†., Fry, C.M†., Lee, T†., Galvan, M., Gates, K.M. & Telzer, E.H. (2022). Neural connectivity underlying adolescent social learning in sibling dyads. *Social Cognitive Affective Neuroscience*, 17, 1007-1020. <https://doi.org/10.1093/scan/nsac025>

Rogers, C.R†., Jimenez, V†., Benjamin, A†., Rudolph, K.D., & Telzer, E.H. (2023). The effect of parents and peers on the neural correlates of risk taking and antisocial behavior during adolescence. *Journal of Youth and Adolescence*, 52, 1674-1684. <https://doi.org/10.1007/s10964-023-01789-4>

Rogers, C.R†., Lee, T†., Fry, C.M†., & Telzer, E.H. (2021). Where you lead, I'll follow: Exploring sibling similarity in brain and behavior during risky decision-making. *Journal of Research on Adolescence* , 31, 34-51. <https://doi.org/10.1111/jora.12581>

Rogers, C.R†., McCormick, E.M†., van Hoorn, J†., Ivory, S†., & Telzer, E.H. (2018). Neural correlates of sibling closeness and association with externalizing behavior in adolescence. *Social Cognitive Affective Neuroscience* , 13, 977-988. <https://doi.org/10.1093/scan/nsy063>

2020	<i>Journal of Research on Adolescence</i>	Rogers, C.R†.	Perino, M.T†., & Telzer, E.H.
2024	<i>Cognition and Emotion</i>	Rogier	Muzi, & Pace
2008	<i>Nature neuroscience</i>	Roitman, M. F.	Wheeler, R. A., Wightman, R. M., & Carelli, R. M.
2019	<i>Addiction Research &amp; Theory</i>	Rosenthal, R. J.	Faris, S. B.
2019	<i>Computers in Human Behavior</i>	Rosenthal-von der Pütten, A. M.	Hastall, M. R., Köcher, S., Meske, C., Heinrich, T., Labrenz, F., & Ocklenburg, S.



Maternal buffering of adolescent dysregulation in socially appetitive contexts: From behavior to the brain

Social media misuse explained by emotion dysregulation and self-concept: an ecological momentary assessment approach

Real-time chemical responses in the nucleus accumbens differentiate rewarding and aversive stimuli

The etymology and early history of ‘addiction.’

“Likes” as social rewards: Their role in online social comparison and decisions to like other People’s selfies

Rogers, C.R†., Perino, M.T†., & Telzer, E.H. (2020). Maternal buffering of adolescent dysregulation in socially appetitive contexts: From behavior to the brain. *Journal of Research on Adolescence* , 30, 41-52. <https://doi.org/10.1111/jora.12500>

Rogier, G., Muzi, S., & Pace, C. S. (2024). Social media misuse explained by emotion dysregulation and self-concept: an ecological momentary assessment approach. *Cognition and Emotion* , 38 (8), 1261–1270. <https://doi.org/10.1080/02699931.2024.2363413>

Roitman, M. F., Wheeler, R. A., Wightman, R. M., & Carelli, R. M. (2008). Real-time chemical responses in the nucleus accumbens differentiate rewarding and aversive stimuli. *Nature neuroscience*, 11(12), 1376–1377. <https://doi.org/10.1038/nn.2219>

Rosenthal, R. J., & Faris, S. B. (2019). The etymology and early history of ‘addiction.’ *Addiction Research & Theory*, 27(5), 437–449. <https://doi.org/10.1080/16066359.2018.1543412>

Rosenthal-von der Pütten, A. M., Hastall, M. R., Köcher, S., Meske, C., Heinrich, T., Labrenz, F., & Ocklenburg, S. (2019). “Likes” as social rewards: Their role in online social comparison and decisions to like other People’s selfies. *Computers in Human Behavior* , 92, 76–86. <https://doi.org/10.1016/j.chb.2018.10.017>

2024	<i>Child Development</i>	Rosič	Schreurs, Janicke-Bowles, & Vandenbosch
2021	<i>Psychology of Popular Media</i>	Rounds	Stutts
2023	<i>Health Communication</i>	Rousseau	N/A
2025	<i>Body Image</i>	Rousseau, A.	Rodgers, R. F.
2020	<i>Mobile Media &amp; Communication</i>	Rozgonjuk	Pruunsild, Jürimäe, & Schwarz

Trajectories of digital flourishing in adolescence: The predictive roles of developmental changes and digital divide factors
The Impact of Fitspiration Content on Body Satisfaction and Negative Mood: An Experimental Study
Body-Positive Instagram Exposure and Young Women's Body Image: The Mediating Role of Appearance Comparison and Broadly Conceptualizing Beauty
Social media incidental appearance exposure and young people's body image: A conceptual review
Instagram use frequency is associated with problematic smartphone use, but not with depression and anxiety symptom severity

Rosič, J., Schreurs, L., Janicke-Bowles, S. H., & Vandenbosch, L. (2024). Trajectories of digital flourishing in adolescence: The predictive roles of developmental changes and digital divide factors. *Child Development* . <https://doi.org/10.1111/cdev.14101>

Rounds, E. G., & Stutts, L. A. (2021). The impact of fitspiration content on body satisfaction and negative mood: An experimental study. *Psychology of Popular Media*, 10(2), 267–274. <https://doi.org/10.1037/ppm0000288>

Rousseau, A. (2023). Body-Positive Instagram Exposure and Young Women’s Body Image: The Mediating Role of Appearance Comparison and Broadly Conceptualizing Beauty. *Health Communication* , 39 (8), 1520–1531. <https://doi.org/10.1080/10410236.2023.2222460>

Rousseau, A., & Rodgers, R. F. (2025). Social media incidental appearance exposure and young people’s body image: A conceptual review. *Body Image* , 52, 101838. <https://doi.org/10.1016/j.bodyim.2024.101838>

Rozgonjuk, D., Pruunsild, P., Jürimäe, K., Schwarz, R.-J., & Aru, J. (2020). Instagram use frequency is associated with problematic smartphone use, but not with depression and anxiety symptom severity. *Mobile Media & Communication*, 8(3), 400-418. <https://doi.org/10.1177/2050157920910190>

2016	<i>Social Cognitive and Affective Neuroscience</i>	Rudolph, K. D.	Miernicki, M. E., Troop-Gordon, W., Davis, M. M., & Telzer, E. H.
2016	<i>Social Cognitive Affective Neuroscience</i>	Rudolph, K.	Miernicki, M.E†., Troop-Gordon, W., Davis, M†., & Telzer, E.H.
2021	<i>Developmental Cognitive Neuroscience</i>	Rudolph, K.D.	Davis, M.M., Skymba, H.V., Modi, H.H., & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	Rudolph, K.D.	Davis, M.M†., Modi, H.H., Fowler, C†., Kim, Y., & Telzer, E.H.
2021	<i>Developmental Psychobiology</i>	Rudolph, K.D.	Skymba, H†., Modi, H.H†., Davis, M.M†., Yan Sze, W., Rosswurm, C.P. & Telzer, E.H.

Adding insult to injury: neural sensitivity to social exclusion is associated with internalizing symptoms in chronically peer-victimized girls.

Adding insult to injury: Neural sensitivity to social exclusion is associated with depression in chronically peer-victimized girls

Social experience calibrates neural sensitivity to social feedback during adolescence: A functional connectivity approach

Differential susceptibility to parenting in adolescent girls: Moderation by neural sensitivity to social cues

How does peer adversity “Get Inside the Brain?” Adolescent girls’ differential susceptibility to neural dysregulation of emotion following victimization

Rudolph, K. D., Miernicki, M. E., Troop-Gordon, W., Davis, M. M., & Telzer, E. H. (2016). Adding insult to injury: neural sensitivity to social exclusion is associated with internalizing symptoms in chronically peer-victimized girls. *Social Cognitive and Affective Neuroscience*, 11(5), 829–842. <https://doi.org/10.1093/scan/nsw021>

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Rudolph, K.D., Davis, M.M†., Modi, H.H., Fowler, C†., Kim, Y., & Telzer, E.H. (2020). Differential susceptibility to parenting in adolescent girls: Moderation by neural sensitivity to social cues. *Journal of Research on Adolescence* , 30, 177-191. <https://doi.org/10.1111/jora.12458>

Rudolph, K.D., Skymba, H†., Modi, H.H†., Davis, M.M†., Yan Sze, W., Rosswurm, C.P. & Telzer, E.H. (2021). How does peer adversity “Get Inside the Brain?” Adolescent girls’ differential susceptibility to neural dysregulation of emotion following victimization. *Developmental Psychobiology* , 63, 481-495. <https://doi.org/10.1002/dev.22022>



(in press)	<i>Social Cognitive Affective Neuroscience</i>	Rudolph, K.R.	Davis, M.M <sup>†</sup> ., Modi, H.H., Skymba, H.V., Finnegan, M.K., Haigler, K., Clapham, R.B., Ye, Z., Dodson, D. & Telzer, E.H.
2013	<i>Association for Psychological Science</i>	Ruscio, J.	Prajapati, B.
2024	<i>Psychology of Popular Media</i>	Rutter	Campoverde, Hoang, Goldberg, Berenson
2020	<i>Psychology of Popular Media Culture</i>	Ryding	Kuss
2019	<i>Computers in Human Behavior</i>	Saiphoo, A. N.	Vahedi, Z.

Emotional trade-offs of neural sensitivity to social threat and reward in adolescent girls
Citation-Based Indices of Scholarly Impact: Databases and Norms
Self-Compassion and Women's Experience of Social Media Content Portraying Body Positivity and Appearance Ideals
The Use of Social Networking Sites, Body Image Dissatisfaction, and Body Dysmorphic Disorder: A Systematic Review of Psychological Research
A meta-analytic review of the relationship between social media use and body image disturbance

Rudolph, K.R., Davis, M.M†., Modi, H.H., Skymba, H.V., Finnegan, M.K., Haigler, K., Clapham, R.B., Ye, Z., Dodson, D. & Telzer, E.H. (in press). Emotional trade-offs of neural sensitivity to social threat and reward in adolescent girls. *Social Cognitive Affective Neuroscience* .

Ruscio, J., & Prajapati, B. (2013, August 30). Citation-Based Indices of Scholarly Impact: Databases and Norms. *Association for Psychological Science* .  
<https://www.psychologicalscience.org/observer/citation-based-indices-of-scholarly-impact-databases-and-norms>

Rutter, H., Campoverde, C., Hoang, T., Goldberg, S. F., & Berenson, K. R. (2024). Self-compassion and women's experience of social media content portraying body positivity and appearance ideals. *Psychology of Popular Media*, 13(1), 12–22. <https://doi.org/10.1037/ppm0000453>

Ryding, F. C., & Kuss, D. J. (2020). The use of social networking sites, body image dissatisfaction, and body dysmorphic disorder: A systematic review of psychological research. *Psychology of Popular Media*, 9(4), 412–435. <https://doi.org/10.1037/ppm0000264>

Saiphoo, A. N., & Vahedi, Z. (2019). A meta-analytic review of the relationship between social media use and body image disturbance. *Computers in Human Behavior* , 101, 259–275. <https://doi.org/10.1016/j.chb.2019.07.028>

2019	<i>Computers in Human Behavior</i>	Saiphoo	Vahedi
2024	<i>Annual Review of Psychology</i>	Salamone, J. D.	Correa, M.
2017	<i>Cyberpsychology: Journal of Psychosocial Research on Cyberspace</i>	Sallafranque-St-Louis, F.	Normand, C. L.
2017	<i>Theses and Dissertations-- Psychology</i>	Salomon I.	N/A
2010	<i>Annual Review of Neuroscience</i>	Salzman, C. D.	Fusi, S.

<p>A meta-analytic review of the relationship between social media use and body image disturbance</p>
<p>The Neurobiology of Activational Aspects of Motivation: Exertion of Effort, Effort-Based Decision Making, and the Role of Dopamine.</p>
<p>From solitude to solicitation: How people with intellectual disability or autism spectrum disorder use the internet</p>
<p>"The Selfie Generation: Examining the Relationship Between Social Media Use and Early Adolescent Body Image".</p>
<p>Emotion, cognition, and mental state representation in amygdala and prefrontal cortex</p>

Saiphoo, A. N., & Vahedi, Z. (2019). A meta-analytic review of the relationship between social media use and body image disturbance. *Computers in Human Behavior*, 101, 259–275. <https://doi.org/10.1016/j.chb.2019.07.028>

Salamone, J. D., & Correa, M. (2024). The Neurobiology of Activational Aspects of Motivation: Exertion of Effort, Effort-Based Decision Making, and the Role of Dopamine. *Annual Review of Psychology*, 75(1), 1–32. <https://doi.org/10.1146/annurev-psych-020223-012208>

Sallafranque-St-Louis, F., & Normand, C. L. (2017). From solitude to solicitation: How people with intellectual disability or autism spectrum disorder use the internet. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace*, 11(1), Article 7. <https://doi.org/10.5817/CP2017-1-7>

Salomon, I. (2017) "The Selfie Generation: Examining the Relationship Between Social Media Use and Early Adolescent Body Image". Theses and Dissertations--Psychology. 112. [https://uknowledge.uky.edu/psychology\\_etds/112](https://uknowledge.uky.edu/psychology_etds/112)

Salzman, C. D., & Fusi, S. (2010). Emotion, cognition, and mental state representation in amygdala and prefrontal cortex. *Annual Review of Neuroscience*, 33, 173–202. <https://doi.org/10.1146/annurev.neuro.051508.135256>

2022	<i>PLOS One</i>	Samari	Chang, Seow, Chua, Subramaniam, vanDam, Luo, Verma & Vaingankar
2019	<i>Journal of Primary Prevention</i>	Sampasa-Kanyinga	Chaput, Hamilton
2022	<i>The Journal of Psychology</i>	Sánchez-Hernández, M. D.	Herrera, M. C. & Expósito, F.
2014	<i>Brain: A Journal of Neurology</i>	Sandrone, S.	Bacigaluppi, M., Galloni, M. R., Cappa, S. F., Moro, A., Catani, M., Filippi, M., Monti, M. M., Perani, D., & Martino, G.
2023	<i>bioRxiv</i>	Sands, L. P.	Jiang, A., Jones, R. E., Trattner, J. D., & Kishida, K. T.

Aqualitative study on negative experiences of social media use andharmreduction strategies among youths in a multi-ethnic Asian society

Social media use, school connectedness, and academic performance among adolescents.

Does the Number of Likes Affect Adolescents' Emotions? The Moderating Role of Social Comparison and Feedback-Seeking on Instagram

Weighing brain activity with the balance: Angelo Mosso's original manuscripts come to light

Valence-partitioned learning signals drive choice behavior and phenomenal subjective experience in humans.



Samari, E., Chang, S., Seow, E., Chua, Y. C., Subramaniam, M., van Dam, R. M., Luo, N., Verma, S., & Vaingankar, J. A. (2022). A qualitative study on negative experiences of social media use and harm reduction strategies among youths in a multi-ethnic Asian society. *PloS one* , 17 (11), e0277928. <https://doi.org/10.1371/journal.pone.0277928>

Sampasa-Kanyinga, H., Chaput, J.-P., & Hamilton, H. A. (2019). Social Media Use, School Connectedness, and Academic Performance Among Adolescents. *The Journal of Primary Prevention* , 40 (2), 189–211. <https://doi.org/10.1007/s10935-019-00543-6>

Sánchez-Hernández, M. D., Herrera, M. C., & Expósito, F. (2022). Does the Number of Likes Affect Adolescents' Emotions? The Moderating Role of Social Comparison and Feedback-Seeking on Instagram. *The Journal of Psychology* , 156(3), 200–223. <https://doi.org/10.1080/00223980.2021.2024120>

Sandrone, S., Bacigaluppi, M., Galloni, M. R., Cappa, S. F., Moro, A., Catani, M., Filippi, M., Monti, M. M., Perani, D., & Martino, G. (2014). Weighing brain activity with the balance: Angelo Mosso's original manuscripts come to light. *Brain: A Journal of Neurology* , 137(Pt 2), 621–633. <https://doi.org/10.1093/brain/awt091>

Sands, L. P., Jiang, A., Jones, R. E., Trattner, J. D., & Kishida, K. T. (2023). Valence-partitioned learning signals drive choice behavior and phenomenal subjective experience in humans. *bioRxiv*, 2023.03.17.533213. <https://doi.org/10.1101/2023.03.17.533213>

2023	<i>Science Advances</i>	Sands, L. P.	Jiang, A., Liebenow, B., DiMarco, E., Laxton, A. W., Tatter, S. B., Montague, P. R., & Kishida, K. T.
2017	<i>Translational Psychiatry</i>	Sannino, S.	Padula, M. C., Managò, F., Schaer, M., Schneider, M., Armando, M., Scariati, E., Sloan-Bena, F., Mereu, M., Pontillo, M., Vicari, S., Contarini, G., Chiabrera, C., Pagani, M., Gozzi,
2023	<i>Eating Behaviors</i>	Sanzari	N/A
2021	<i>Behavior research methods</i>	Satchell, L. P.	Fido, D., Harper, C. A., Shaw, H., Davidson, B., Ellis, D. A., Hart, C. M., Jalil, R., Bartoli, A. J., Kaye, L. K., Lancaster, G. L. J., Pavetich, M.
2018	<i>Cyberpsychology, Behavior, and Social Networking</i>	Saunders	Eaton

Subsecond fluctuations in extracellular dopamine encode reward and punishment prediction errors in humans.

Adolescence is the starting point of sex-dichotomous COMT genetic effects.

The Impact of Social Media Use On Body Image and Disordered Eating Behaviors: Content Matters More Than Duration of Exposure.

Development of an Offline-Friend Addiction Questionnaire (O-FAQ): Are most people really social addicts?

Snap, Selfies, and Shares: How Three Popular Social Media Platforms Contribute to the Sociocultural Model of Disordered Eating Among Young Women

Sands, L. P., Jiang, A., Liebenow, B., DiMarco, E., Laxton, A. W., Tatter, S. B., Montague, P. R., & Kishida, K. T. (2023). Subsecond fluctuations in extracellular dopamine encode reward and punishment prediction errors in humans. *Science Advances*, 9(48), eadi4927. <https://doi.org/10.1126/sciadv.adi4927>

Sannino, S., Padula, M. C., Managò, F., Schaer, M., Schneider, M., Armando, M., Scariati, E., Sloan-Bena, F., Mereu, M., Pontillo, M., Vicari, S., Contarini, G., Chiabrera, C., Pagani, M., Gozzi, A., Eliez, S., & Papaleo, F. (2017). Adolescence is the starting point of sex-dichotomous COMT genetic effects. *Translational Psychiatry*, 7(5), e1141–e1141. <https://doi.org/10.1038/tp.2017.109>

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Satchell, L. P., Fido, D., Harper, C. A., Shaw, H., Davidson, B., Ellis, D. A., Hart, C. M., Jalil, R., Bartoli, A. J., Kaye, L. K., Lancaster, G. L. J., & Pavetich, M. (2021). Development of an Offline-Friend Addiction Questionnaire (O-FAQ): Are most people really social addicts?. *Behavior research methods*, 53(3), 1097–1106. <https://doi.org/10.3758/s13428-020-01462-9>

Saunders, J. F., & Eaton, A. A. (2018). Snaps, Selfies, and Shares: How Three Popular Social Media Platforms Contribute to the Sociocultural Model of Disordered Eating Among Young Women. *Cyberpsychology, Behavior, and Social Networking* , 21 (6), 343–354. <https://doi.org/10.1089/cyber.2017.0713>

2021	<i>Journal of Computer-Mediated Communication</i>	Schemer	Masur, Geiß, Müller, & Schäfer
2023	<i>Computers in Human Behavior</i>	Schettino	Capasso, Caso
2024	<i>JAMA network open</i>	Schmidt-Persson	Rasmussen, M. G. B., Sørensen, S. O., Mortensen, S. R., Olesen, L. G., Brage, S., Kristensen, P. L., Bilenberg, N., Grøntved, A.
2020	<i>Addictive Behaviors</i>	Schmitgen, M. M.	Horvath, J., Mundinger, C., Wolf, N. D., Sambataro, F., Hirjak, D., Kubera, K. M., Koenig, J., & Wolf, R. C.
2017	<i>Computers in Human Behavior</i>	Schneider	Schneider, Zwillich, Bindl, Hopp, Reich, Vorderer

The Impact of Internet and Social Media Use on Well-Being: A Longitudinal Analysis of Adolescents Across Nine Years

The dark side of #bodypositivity: The relationships between sexualized body-positive selfies on Instagram and acceptance of cosmetic surgery among women

Screen Media Use and Mental Health of Children and Adolescents: A Secondary Analysis of a Randomized Clinical Trial

Neural correlates of cue reactivity in individuals with smartphone addiction

Social media ostracism: The effects of being excluded online

Schemer, C., Masur, P.K., Geiß, S., Müller, P., Schäfer, S. (2021). The Impact of Internet and Social Media Use on Well-Being: A Longitudinal Analysis of Adolescents Across Nine Years, *Journal of Computer-Mediated Communication*, Volume 26, Issue 1, January 2021, Pages 1–21, <https://doi.org/10.1093/jcmc/zmaa014>

Schettino, G., Capasso, M., Caso, D. (2023). The dark side of #bodypositivity: The relationships between sexualized body-positive selfies on Instagram and acceptance of cosmetic surgery among women, *Computers in Human Behavior*, Volume 140, 107586, ISSN 0747-5632, <https://doi.org/10.1016/j.chb.2022.107586>.

Schmidt-Persson, J., Rasmussen, M. G. B., Sørensen, S. O., Mortensen, S. R., Olesen, L. G., Brage, S., Kristensen, P. L., Bilenberg, N., & Grøntved, A. (2024). Screen Media Use and Mental Health of Children and Adolescents: A Secondary Analysis of a Randomized Clinical Trial. *JAMA network open* , 7 (7), e2419881.  
<https://doi.org/10.1001/jamanetworkopen.2024.19881>

Schmitgen, M. M., Horvath, J., Munding, C., Wolf, N. D., Sambataro, F., Hirjak, D., Kubera, K. M., Koenig, J., & Wolf, R. C. (2020). Neural correlates of cue reactivity in individuals with smartphone addiction. *Addictive Behaviors* , 108, 106422.  
<https://doi.org/10.1016/j.addbeh.2020.106422>

Schneider, F. M., Zwillich, B., Bindl, M. J., Hopp, F. R., Reich, S., & Vorderer, P. (2017). Social media ostracism: The effects of being excluded online. *Computers in Human Behavior* , 73 (1), 385–393. <https://doi.org/10.1016/j.chb.2017.03.052>

2016	<i>Psychology of addictive behaviors</i>	Schou Andreassen, C.	Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S.
2018	<i>Child Development</i>	Schreuders, E.	Braams, B. R., Blankenstein, N. E., Peper, J. S., Güroğlu, B., & Crone, E. A.
2022	<i>Computers in Human Behavior</i>	Schreurs	Vandenbosch
1997	<i>Science</i>	Schultz, W.	Dayan, P., & Montague, P. R.
2020	<i>Plos One</i>	Schulz van Endert, T.	Mohr, P. N. C.



The relationship between addictive use of social media and video games and symptoms of psychiatric disorders: A large-scale cross-sectional study.

Contributions of reward sensitivity to ventral striatum activity across adolescence and early adulthood

Different interactions with appearance-focused social media content and adolescents' body dissatisfaction: A within-person perspective

A neural substrate of prediction and reward

Likes and impulsivity: Investigating the relationship between actual smartphone use and delay discounting

Schou Andreassen, C., Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S. (2016). The relationship between addictive use of social media and video games and symptoms of psychiatric disorders: A large-scale cross-sectional study. *Psychology of addictive behaviors* , 30 (2), 252–262. <https://doi.org/10.1037/adb0000160>

Schreuders, E., Braams, B. R., Blankenstein, N. E., Peper, J. S., Güroğlu, B., & Crone, E. A. (2018). Contributions of reward sensitivity to ventral striatum activity across adolescence and early adulthood. *Child Development* , 89(3), 797–810. <https://doi.org/10.1111/cdev.13056>

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Schultz, W., Dayan, P., & Montague, P. R. (1997). A neural substrate of prediction and reward. *Science (New York, N.Y.)*, 275(5306), 1593–1599. <https://doi.org/10.1126/science.275.5306.1593>

Schulz van Endert, T., & Mohr, P. N. C. (2020). Likes and impulsivity: Investigating the relationship between actual smartphone use and delay discounting. *Plos One* , 15(11), e0241383. <https://doi.org/10.1371/journal.pone.0241383>

2022	<i>Frontiers in Psychology</i>	Schulz van Endert, T.	Mohr, P. N. C.
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Schwartz-Lifshitz	Hertz-Palmor, Dekel, Balan-Moshe, Mekori-Domachevsky, Weisman, Kaufman, Gothelf, Amichai-Hamburger
2022	<i>Kindheit Und Entwic</i>	Schwarz, D.	Steinau, K., Kraus, L., & I
2016	<i>Proceedings in CSCW</i>	Scissor	Burke, Wengrovitz
2023	<i>Social Media + Society</i>	Scott, F.	et. al.

Delay discounting of monetary and social media rewards: magnitude and trait effects

Loneliness and social media use among adolescents with psychiatric disorders.

The Effect of a 1-Week Abstinence From Instagram on Mental Health in Youth and Young Adults

What's in a Like? Attitudes and behaviors around receiving Likes on Facebook

Addressing the "Whys" of UK Children's YouTube Use: A Purposes Approach.

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Schwartz-Lifshitz, M., Hertz-Palmor, N., Dekel, I., Balan-Moshe, L., Mekori-Domachevsky, E., Weisman, H., Kaufman, S., Gothelf, D., & Amichai-Hamburger, Y. (2022). Loneliness and Social Media Use Among Adolescents with Psychiatric Disorders. *Cyberpsychology, Behavior, and Social Networking* , 25 (6), 392–397. <https://doi.org/10.1089/cyber.2021.0337>

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2019	<i>BMJ Open</i>	Scott, H.	Biello, S. M. & Woods, H. C.
2020	<i>Irish Journal of Psychological Medicine</i>	Scully	Swords, Nixon
2022	<i>Body Image</i>	Seekis	Barker
2023	<i>Body Image</i>	Seekis	Kennedy
2024	<i>PPM</i>	Seekis	Lawrence

Social media use and adolescent sleep patterns: cross-sectional findings from the UK millennium cohort study
Social comparisons on social media: online appearance-related activity and body dissatisfaction in adolescent girls
Does #beauty have a dark side? Testing mediating pathways between engagement with beauty content on social media and cosmetic surgery consideration
The impact of #beauty and #self-compassion tiktok videos on young women's appearance shame and anxiety, self-compassion, mood, and comparison processes
The Effect of TikTok Body Neutrality Content on Young Women's Self-Compassion

Scott, H., Biello, S. M., & Woods, H. C. (2019). Social media use and adolescent sleep patterns: cross-sectional findings from the UK millennium cohort study. *BMJ Open* , 9(9), e031161. <https://doi.org/10.1136/bmjopen-2019-031161>

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2023	<i>Body Image</i>	Seekis	Lawrence
2020	<i>Psychology of Women Quarterly</i>	Seekis	Bradley, Duffy
2021	<i>Psychology of Men &amp; Masculinities</i>	Seekis	Bradley, Duffy
2025	<i>Body Image</i>	Seekis	Mulgrew, Prichard, Manning, Wood, & Stevenson
2025	<i>Body image</i>	Seekis, V.	Mulgrew, K. E., Prichard, I., Manning, H., Wood, I., & Stevenson, C.

How exposure to body neutrality content on TikTok affects young women's body image and mood

Appearance-Related Social Networking Sites and Body Image in Young Women: Testing an Objectification-Social Comparison Model

Social Networking Sites and Men's Drive for Muscularity: Testing a Revised Objectification Model

To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing

To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing

Seekis, V., & Lawrence, R. K. (2023). How exposure to body neutrality content on TikTok affects young women's body image and mood. *Body Image*, 47 (101629), 101629. <https://doi.org/10.1016/j.bodyim.2023.101629>

Seekis, V., Bradley, G. L., & Duffy, A. L. (2020). Appearance-Related Social Networking Sites and Body Image in Young Women: Testing an Objectification-Social Comparison Model. *Psychology of Women Quarterly*, 44(3), 377-392. <https://doi.org/10.1177/0361684320920826>

Seekis, V., Bradley, G. L., & Duffy, A. L. (2021). Social networking sites and men's drive for muscularity: Testing a revised objectification model. *Psychology of Men & Masculinities*, 22(1), 189–200. <https://doi.org/10.1037/men0000265>

Seekis, V., Mulgrew, K. E., Prichard, I., Manning, H., Wood, I., & Stevenson, C. (2025). To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing. *Body Image*, 52, 101849. <https://doi.org/10.1016/j.bodyim.2024.101849>

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2020	<i>Computers in Human Behavior</i>	Sela	Zach, Amichay-Hamburger, Mishali, & Omer
2022	<i>Journal of the Royal Statistical Society: Series c (Applied Statistics)</i>	Semken	Rossell, D.
2016	<i>Journal of Computer-Mediated Communication</i>	Seo	Kim, Yang
2020	<i>Journal of Youth and Adolescence</i>	Sevic	Cipric, Busko, Stulhofer
2022	<i>Clinical Psychological Science</i>	Sewall	Goldstein, Wright, & Rosen

Family environment and problematic internet use among adolescents: The mediating roles of depression and Fear of Missing Out

Specification analysis for technology use and teenager well-being Statistical validity and a Bayesian proposal

Frequent Interaction and Fast Feedback Predict Perceived Social Support: Using Crawled and Self-Reported Data of Facebook Users

The Relationship between the Use of Social Networking Sites and Sexually Explicit Material, the Internalization of Appearance Ideals and Body Self-Surveillance: Results from a Longitudinal Study of Male Adolescents

Does Objectively Measured Social-Media or Smartphone Use Predict Depression, Anxiety, or Social Isolation Among Young Adults?

Sela, Y., Zach, M., Amichay-Hamburger, Y., Mishali, M., & Omer, H. (2020). Family environment and problematic internet use among adolescents: The mediating roles of depression and Fear of Missing Out. *Computers in Human Behavior*, 106, 106226. <https://doi.org/10.1016/j.chb.2019.106226>

Semken, C., & Rossell, D. (2022). Specification analysis for technology use and teenager well-being: Statistical validity and a Bayesian proposal. *Journal of the Royal Statistical Society: Series c (Applied Statistics)*. <https://doi.org/10.1111/rssc.12578>

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Sevic, S., Ciprić, A., Buško, V. *et al.* (2020). The Relationship between the Use of Social Networking Sites and Sexually Explicit Material, the Internalization of Appearance Ideals and Body Self-Surveillance: Results from a Longitudinal Study of Male Adolescents. *J Youth Adolescence* 49, 383–398. <https://doi.org/10.1007/s10964-019-01172-2>

Sewall, C. J. R., Goldstein, T. R., Wright, A. G. C., & Rosen, D. (2022). Does Objectively Measured Social-Media or Smartphone Use Predict Depression, Anxiety, or Social Isolation Among Young Adults? *Clinical Psychological Science*, 10(5), 997-1014. <https://doi.org/10.1177/21677026221078309>

2021	<i>Journal of Psychiatric Research</i>	Shafi	Nakonezny, Miller, Desai, Almorsy, Ligezka, Morath, Romanowicz, & Croarkin
2017	<i>American Journal of Epidemiology</i>	Shakya	Christakis
2021	<i>Adolescent Research Review</i>	Shankleman, M.	Hammond, L., & Jones, F. W.
2022	<i>JMIR Mental Health</i>	Shannon, H.	Bush, K., Villeneuve, P. J., Hellemans, K. G., & Guimond, S.
2022	<i>JMIR Mental Health</i>	Shannon	Bush, Villeneuve, Hellemans, Guimond

Altered markers of stress in depressed adolescents after acute social media use

Association of Facebook Use With Compromised Well-Being: A Longitudinal Study

Adolescent social media use and well-being: A systematic review and thematic meta-synthesis

Problematic Social Media Use in Adolescents and Young Adults: Systematic Review and Meta-analysis

Problematic social media use in adolescents and young adults: Systematic review and meta-analysis



Shafi, R. M. A., Nakonezny, P. A., Miller, K. A., Desai, J., Almorsy, A. G., Ligezka, A. N., Morath, B. A., Romanowicz, M., & Croarkin, P. E. (2021). Altered markers of stress in depressed adolescents after acute social media use. *Journal of Psychiatric Research*, 136, 149–156. <https://doi.org/10.1016/j.jpsychires.2021.01.055>

Shakya, H. B., & Christakis, N. A. (2017). Association of Facebook Use with compromised well-being: A longitudinal study. *American Journal of Epidemiology*, 185 (3), 203–211. <https://doi.org/10.1093/aje/kww189>

Shankleman, M., Hammond, L., & Jones, F. W. (2021). Adolescent social media use and well-being: A systematic review and thematic meta-synthesis. *Adolescent Research Review*, 6(4), 471–492. <https://doi.org/10.1007/s40894-021-00154-5>

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2020	<i>Journal of General Psychology</i>	Sharifian	Zahodne
2021	<i>Developmental Science</i>	Sharp P.B†.	Do K.T†., Lindquist K.A., Prinstein M.J., & Telzer E.H.
2017	<i>NeuroImage: Clinical</i>	Sharp, P.B†.	Telzer, E.H.
2019	<i>Social Neuroscience</i>	Sharp, P.B†.	Heller, W. & Telzer, E.H.
2018	<i>Scientific Reports</i>	Sharp, P.B†.	Sutton, B.P., Paul, E.J., Cohen, N.J., Kramer, A.F., Heller, W., Telzer, E.H., & Barbey, A.K.

Daily associations between social media use and memory failures: the mediating role of negative affect

Cognitive control deployment is flexibly modulated by social value in early adolescence

Structural connectomics of anxious arousal in early adolescence: Translating clinical and ethological findings

Selective neural sensitivity to familial threat in adolescents with weak family bonds

Mindfulness training induces structural connectome changes in insula networks

Sharifian, N., & Zahodne, L. B. (2020). Daily associations between social media use and memory failures: the mediating role of negative affect. *The Journal of General Psychology* , 148 (1), 67–83. <https://doi.org/10.1080/00221309.2020.1743228>

Sharp P.B†., Do K.T†., Lindquist K.A., Prinstein M.J., & Telzer E.H. (2021). Cognitive control deployment is flexibly modulated by social value in early adolescence. *Developmental Science* , 25, e13140. <https://doi.org/10.1111/desc.13140>

Sharp, P.B†. & Telzer, E.H. (2017). Structural connectomics of anxious arousal in early adolescence: Translating clinical and ethological findings. *NeuroImage: Clinical* , 16, 604-609. <https://doi.org/10.1016/j.nicl.2017.09.012>

Sharp, P.B†., Heller, W., & Telzer, E.H. (2019). Selective neural sensitivity to familial threat in adolescents with weak family bonds. *Social Neuroscience* , 14(1), 80-89. <https://doi.org/10.1080/17470919.2017.1397545>

Sharp, P.B†., Sutton, B.P., Paul, E.J., Cohen, N.J., Kramer, A.F., Heller, W., Telzer, E.H., & Barbey, A.K. (2018). Mindfulness training induces structural connectome changes in insula networks. *Scientific Reports* , 8, 7929. <https://doi.org/10.1038/s41598-018-26268-w>

1997	<i>J. Abnorm. Child Psychol</i>	Sheeber, L.	Hops, H., Alpert, A., et. al.
2023	<i>Media Psychology</i>	Titova	Titova
2017	<i>Child Development</i>		Greenfield, Hernandez, Dapretto
2018	<i>Peer influence via Instagram: Effects on brain and behavior in adolescence and young adulthood. Child Development,</i>		Greenfield, P. M., Hernandez, L. M., & Dapretto, M.
2018	<i>Social Cognitive and Affective Neuroscience</i>		Hernandez, L. M., Greenfield, P. M., & Dapretto, M.

Family Support and Conflict: Prospective Relations to Adolescent Depression.

Social media use and well-being: testing an integrated self-determination theory model

Peer Influence Via Instagram: Effects on Brain and Behavior in Adolescence and Young Adulthood

Peer influence via Instagram: Effects on brain and behavior in adolescence and young adulthood.

What the brain “Likes”: neural correlates of providing feedback on social media

Sheeber, L., Hops, H., Alpert, A., et. al. (1997). Family Support and Conflict: Prospective Relations to Adolescent Depression. *J. Abnorm. Child Psychol* , 25(4), 333-44. <https://doi.org/10.1023/A:1025768504415>

Sheldon, K. M., & Titova, L. (2023). Social media use and well-being: testing an integrated self-determination theory model. *Media Psychology* , 26 (6), 637–659. <https://doi.org/10.1080/15213269.2023.2185259>

Greenfield, P. M., Hernandez, L. M., & Dapretto, M. (2017). Peer Influence Via Instagram: Effects on Brain and Behavior in Adolescence and Young Adulthood. *Child Development* , 89 (1), 37–47. <https://doi.org/10.1111/cdev.12838>

., Greenfield, P. M., Hernandez, L. M., & Dapretto, M. (2018). Peer influence via Instagram: Effects on brain and behavior in adolescence and young adulthood. *Child Development*, 89(1), 37-47.

., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2018). What the brain “Likes”: neural correlates of providing feedback on social media. *Social Cognitive and Affective Neuroscience* , 13(7), 699–707. <https://doi.org/10.1093/scan/nsy051>

2018	<i>Social Cognitive and Affect Neuroscience</i>		Hernandez, Greenfield, Dapretto
2016	<i>Psychological Science</i>		Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M.
2016	<i>Psychological Science</i>		Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M.
2016	<i>Psychological science</i>		Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto,
2016	<i>Psychological Science</i>		Payton, Hernandez, Greenfield, Dapretto



What the brain 'Likes': neural correlates of providing feedback on social media

The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media

The power of the like in adolescence: effects of peer influence on neural and behavioral responses to social media

The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media.

The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media

Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2018). What the brain “Likes”: neural correlates of providing feedback on social media. *Social Cognitive and Affective Neuroscience*, 13 (7), 699–707. <https://doi.org/10.1093/scan/nsy051>

Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media, *Psychological Science*. 27(7) 1027-1035, DOI: 10.1177/0956797616645673

Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: effects of peer influence on neural and behavioral responses to social media. *Psychological Science*, 27(7), 1027–1035. <https://doi.org/10.1177/0956797616645673>

Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media. *Psychological science*, 27 (7), 1027–1035. <https://doi.org/10.1177/0956797616645673>

Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media. *Psychological Science*, 27(7), 1027-1035. <https://doi.org/10.1177/0956797616645673>

2019	<i>Psychoneuroendocrinology</i>	Shields, G.S.	Ivory, S.L†. & Telzer, E.H.
2022	<i>Computers in Human Behavior</i>	Shin, J.	Juventin, M., Chu, Manor, Y., & Kemps, E.
(in press)	<i>Cambridge University Press</i>	Shipkova, M†.	Dai, J†., Lindquist, K.A. & Telzer, E.H.
2023	<i>Computers in Human Behavior Reports</i>	Sihoe, C. E.	Mueller, U. & Liu, S.
2015	<i>Neuroimage</i>	Silverman, M. H.	Jedd, K. & Luciana, M.

Three-month cumulative exposure to testosterone and cortisol predicts distinct effects on response inhibition and risky decision-making in adolescents

Online media consumption and depression in young people: A systematic review and meta-analysis.

Neurodevelopment of emotional processes in adolescent social contexts. In J. Armony and P. Vuilleumier (Eds). 2nd edition. The Handbook of Affective Neuroscience

Perceived smartphone addiction predicts ADHD symptomatology in middle school adolescents: A longitudinal study

Neural networks involved in adolescent reward processing: An activation likelihood estimation meta-analysis of functional neuroimaging studies

Shields, G.S., Ivory, S.L†., & Telzer, E.H. (2019). Three-month cumulative exposure to testosterone and cortisol predicts distinct effects on response inhibition and risky decision-making in adolescents. *Psychoneuroendocrinology*, 110, 104412. <https://doi.org/10.1016/j.psyneuen.2019.104412>

Shin, J., Juventin, M., Chu, Manor, Y., & Kemps, E. (2022). Online media consumption and depression in young people: A systematic review and meta-analysis. *Computers in Human Behavior*, 128, 1-14. Article 107129. <https://doi.org/10.1016/j.chb.2021.107129>

Shipkova, M†., Dai, J†., Lindquist, K.A. & Telzer, E.H. (in press). Neurodevelopment of emotional processes in adolescent social contexts. In J. Armony and P. Vuilleumier (Eds). 2nd edition. *The Handbook of Affective Neuroscience*. Cambridge University Press.

Sihoe, C. E., Mueller, U., & Liu, S. (2023). Perceived smartphone addiction predicts ADHD symptomatology in middle school adolescents: A longitudinal study. *Computers in Human Behavior Reports*, 12, 100335. <https://doi.org/10.1016/j.chbr.2023.100335>

Silverman, M. H., Jedd, K., & Luciana, M. (2015). Neural networks involved in adolescent reward processing: An activation likelihood estimation meta-analysis of functional neuroimaging studies. *Neuroimage*, 122, 427–439. <https://doi.org/10.1016/j.neuroimage.2015.07.083>

2012	<i>Emotion</i>	Silvers, J. A.	McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N.
2012	<i>Emotion</i>	Silvers, J. A.	McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N.
2016	<i>Journal of Neuroscience</i>	Silvers, J.A.	Lumian, D.S., Gabard-Durnam, L., Gee, D.G., Goff, B., Fareri, D.S., Caldera, C., Flannery, J., Telzer, E.H., Humphreys, K., & Tottenham, N.
2022	<i>Personality and Individual Differences</i>	Simon	Cu, de Jesus, Go, Lim, Say
2024	<i>The International Journal of Eating Disorders</i>	Sjöström, D. K.	de Mendonca Lindström, T., Kapetanovic, S., & Claesdotter-Knutsson, E.

Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence

Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence

Previous institutionalization is followed by broader amygdala-hippocampal-PFC network connectivity during aversive learning in human development

Worried about being imperfect? The mediating effect of physical appearance perfectionism between Instagram addiction and body esteem

Helpful or not? A qualitative study on female adolescents' experience of tiktok when recovering from anorexia nervosa

Silvers, J. A., McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N. (2012). Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence. *Emotion*, 12(6), 1235–1247. <https://doi.org/10.1037/a0028297>

Silvers, J. A., McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N. (2012). Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence. *Emotion*, 12(6), 1235–1247. <https://doi.org/10.1037/a0028297>

Silvers, J.A., Lumian, D.S., Gabard-Durnam, L., Gee, D.G., Goff, B., Fareri, D.S., Caldera, C., Flannery, J., Telzer, E.H., Humphreys, K., & Tottenham, N. (2016). Previous institutionalization is followed by broader amygdala-hippocampal-PFC network connectivity during aversive learning in human development. *Journal of Neuroscience*, 36, 6420-6430. <https://doi.org/10.1523/JNEUROSCI.0038-16.2016>

Simon, P. D., Cu, S. M. O., De Jesus, K. E. M., Go, N. T. S., Lim, K. T. F., & Say, C. L. C. (2022). Worried about being imperfect? The mediating effect of physical appearance perfectionism between Instagram addiction and body esteem. *Personality and Individual Differences*, 186, 111346. <https://doi.org/10.1016/j.paid.2021.111346>

Sjöström, D. K., de Mendonca Lindström, T., Kapetanovic, S., & Claesdotter-Knutsson, E. (2024). Helpful or not? A qualitative study on female adolescents' experience of tiktok when recovering from anorexia nervosa. *The International Journal of Eating Disorders*, 57(11), 2217–2227. <https://doi.org/10.1002/eat.24265>



2024	<i>International Journal of Eating Disorders</i>	Sjostrom	Lindstrom, Kapetanovic, & Claesdotter-Knutsson
2020	<i>Sex Roles</i>	Skowronski	Busching, Krahe
2021	<i>Journal of Media Psychology</i>	Skowronski	Busching, Krahe
2022	<i>Journal of Research on Adolescence</i>	Skymba, H.V.	Joyce, C.M., Telzer, E.H., & Rudolph, K.D.
2019	<i>Body Image</i>	Slater	Cole, Fardouly

Helpful or Not? A Qualitative Study on Female Adolescents' Experience of TikTok When Recovering From Anorexia Nervosa
Predicting Adolescents' Self-Objectification from Sexualized Video Game and Instagram Use: A Longitudinal Study
Links Between Exposure to Sexualized Instagram Images and Body Image Concerns in Girls and Boys
Peer adversity predicts interpersonal needs in adolescent girls
The effect of exposure to parodies of thin-ideal images on youngwomen's body image and mood

Sjöström, D.K., Lindström, T.D.M., Kapetanovic, S., & Claesdotter-Knutsson, E. (2024). Helpful or Not? A Qualitative Study on Female Adolescents' Experience of TikTok When Recovering From Anorexia Nervosa. *International Journal of Eating Disorders* , 57 (11). <https://doi.org/10.1002/eat.24265>

Skowronski, M., Busching, R., & Krahé, B. (2020). Predicting Adolescents' Self-Objectification from Sexualized Video Game and Instagram Use: A Longitudinal Study. *Sex Roles* , 84 . <https://doi.org/10.1007/s11199-020-01187-1>

Skowronski, M., Busching, R., & Krahé, B. (2021). Links Between Exposure to Sexualized Instagram Images and Body Image Concerns in Girls and Boys. *Journal of Media Psychology* , 34 (1), 1–8. <https://doi.org/10.1027/1864-1105/a000296>

Skymba, H.V., Joyce, C.M., Telzer, E.H., & Rudolph, K.D. (2022). Peer adversity predicts interpersonal needs in adolescent girls. *Journal of Research on Adolescence*, 32, 1566-1579. <https://doi.org/10.1111/jora.12741>

Slater, A., Cole, N., & Fardouly, J. (2019). The effect of exposure to parodies of thin-ideal images on young women's body image and mood. *Body Image* , 29 , 82–89. <https://doi.org/10.1016/j.bodyim.2019.03.001>

2017	<i>Body Image</i>	Slater	Varsani, Diedrichs
2000	<i>Archives of general psychiatry</i>	Slutske, W. S.	Eisen, S., True, W. R., Lyons, M. J., Goldberg, J., & Tsuang, M.
1992	<i>Journal of Comparative Neurology</i>	Smiley, J. F.	Williams, S. M., Sziget, K., & Goldman-Rakic, P. S.
2015	<i>Developmental Cognitive Neuroscience</i>	Smith, A. R.	Steinberg, L., Strang, N., & Chein, J.
2018	<i>JAE</i>	Smith, H. E.	Blackburn, J. J., Stair, K. S., & Burnett, M. F.

#fitspo or #loveyourself? The impact of  
fitspiration and self-compassion Instagram  
images on women's body image, self-  
compassion, and mood

Common genetic vulnerability for  
pathological gambling and alcohol  
dependence in men

Light and electron microscopic  
characterization of  
dopamine-immunoreactive axons in human  
cerebral cortex.

Age differences in the impact of peers on  
adolescents' and adults' neural response to  
reward

Assessing the Effects of the Smartphone as a  
Learning Tool on the Academic Achievement  
of School-Based Agricultural Education  
Students in Louisiana

Slater, A., Varsani, N., & Diedrichs, P. C. (2017). #fitspo or #loveyourself? The impact of fitspiration and self-compassion Instagram images on women's body image, self-compassion, and mood. *Body Image*, 22 (22), 87–96. <https://doi.org/10.1016/j.bodyim.2017.06.004>

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2005	<i>Hippocampus</i>	Smith, M.	N/A
2024	<i>Body image</i>	Smith, O. E.	Mills, J. S., & Samson, L.
2024	<i>Body Image</i>	Smith	Mills, & Samson
2017	<i>Computers in Human Behavior</i>	Smith	Morgan, Monks
2023	<i>New Media &amp; Society</i>	Smoktunowicz	Białobrzaska, Jakubik

Bilateral hippocampal volume reduction in adults with post-traumatic stress disorder: a meta-analysis of structural MRI studies
Out of the loop: Taking a one-week break from social media leads to better self-esteem and body image among young women
Out of the loop: Taking a one-week break from social media leads to better self-esteem and body image among young women
Students' perceptions of the effect of social media ostracism on wellbeing
Posting photos that reflect positive aspects of everyday life on Instagram increases appreciation, life satisfaction, and happiness



Smith, M. (2005). Bilateral hippocampal volume reduction in adults with post-traumatic stress disorder: a meta-analysis of structural MRI studies. *Hippocampus* , 15(6), 798–807.  
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Smoktunowicz, E., Białobrzaska, O., & Jakubik, Z. (2023). Posting photos that reflect positive aspects of everyday life on Instagram increases appreciation, life satisfaction, and happiness. *New Media & Society*, 27(3), 1336-1359. <https://doi.org/10.1177/14614448231193092>

2018	<i>Routledge/Taylor &amp; Francis Group</i>	Sofka, C.	N/A
2013	<i>Current Directions in Psychological Science</i>	Somerville, L. H.	N/A
2016	<i>Neuron</i>	Somerville, L. H.	N/A
2011	<i>Journal of Cognitive Neuroscience</i>	Somerville, L. H.	Hare, T. & Casey, B. J.
2013	<i>Psychological science</i>	Somerville, L. H.	Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J.

Grief, adolescents, and social media. In C. Arnold (Ed.), Understanding child and adolescent grief: Supporting loss and facilitating growth

Special issue on the teenage brain: Sensitivity to social evaluation

Searching for signatures of brain maturity: what are we searching for?

Frontostriatal maturation predicts cognitive control failure to appetitive cues in adolescents

The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence

Sofka, C. (2018). Grief, adolescents, and social media. In C. Arnold (Ed.), *Understanding child and adolescent grief: Supporting loss and facilitating growth* (pp. 163–178). Routledge/Taylor & Francis Group. <https://doi.org/10.4324/9781315164250-13>

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Somerville, L. H., Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J. (2013). The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence. *Psychological science*, 24(8), 1554–1562. <https://doi.org/10.1177/0956797613475633>

2000	<i>Neuroscience and Biobehavioral Reviews</i>	Spear, L. P.	N/A
2013	<i>The Journal of Adolescent Health</i>	Spear, L. P.	N/A
2021	<i>Cells</i>	Speranza, L.	Di Porzio, U., Viggiano, D., De Donato, A., & Volpicelli, F.
2021	<i>Cells</i>	Speranza L.	di Porzio U, Viggiano D, de Donato A, Volpicelli F.
2010	<i>Neuroimage</i>	Spreng, R. N.	Stevens, W. D., Chamberlain, J. P., Gilmore, A. W., & Schacter, D. L.

The adolescent brain and age-related behavioral manifestations
Adolescent neurodevelopment
Dopamine: The Neuromodulator of Long-Term Synaptic Plasticity, Reward and Movement Control.
Dopamine: The Neuromodulator of Long-Term Synaptic Plasticity, Reward and Movement Control.
Default network activity, coupled with the frontoparietal control network, supports goal-directed cognition

Spear, L. P. (2000). The adolescent brain and age-related behavioral manifestations. *Neuroscience and Biobehavioral Reviews* , 24(4), 417–463. [https://doi.org/10.1016/s0149-7634\(00\)00014-2](https://doi.org/10.1016/s0149-7634(00)00014-2)

Spear, L. P. (2013). Adolescent neurodevelopment. *The Journal of Adolescent Health* , 52(2 Suppl 2), S7-13. <https://doi.org/10.1016/j.jadohealth.2012.05.006>

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1999	<i>Behavior Research Methods, Instruments, &amp; Computers : A Journal of the Psychonomic Society, Inc.</i>	Stanislaw, H.	Todorov, N.
2000	<i>Journal of Consulting and Clinical Psychology</i>	Stanton, A. L.	Danoff-Burg, S., Cameron, C. L., Bishop, M., Collins, C. A., Kirk, S. B., Sworowski, L. A., & Twillman, R.
2020	<i>Social Psychological and Personality Science</i>	Stavrova	Denissen
2023	<i>Journal of Psychopathology and Behavioral Assessment</i>	Steele	Khetawat, Christofferson, Hall
2024	N/A	Stein, D.	N/A



Calculation of signal detection theory measures

Emotionally expressive coping predicts psychological and physical adjustment to breast cancer

Does Using Social Media Jeopardize Well-Being? The Importance of Separating Within-From Between-Person Effects

Concurrent Validity of Self-Reported Social Media Use in Adolescents and Young Adults: Associations with Objective Data and Psychosocial Functioning

Fundamental Flaws in Meta-Analytical Review of Social Media Experiments

Stanislaw, H., & Todorov, N. (1999). Calculation of signal detection theory measures. *Behavior Research Methods, Instruments, & Computers : A Journal of the Psychonomic Society, Inc.* , 31(1), 137–149. <https://doi.org/10.3758/BF03207704>

Stanton, A. L., Danoff-Burg, S., Cameron, C. L., Bishop, M., Collins, C. A., Kirk, S. B., Sworowski, L. A., & Twillman, R. (2000). Emotionally expressive coping predicts psychological and physical adjustment to breast cancer. *Journal of Consulting and Clinical Psychology* , 68(5), 875–882. <https://doi.org/10.1037/0022-006X.68.5.875>

Stavrova, O., & Denissen, J. (2020). Does Using Social Media Jeopardize Well-Being? The Importance of Separating Within- From Between-Person Effects. *Social Psychological and Personality Science*, 12(6), 964-973. <https://doi.org/10.1177/1948550620944304>

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<https://shoresofacademia.substack.com/p/fatally-flawed-social-media-experiments>

2019	<i>Psychology of Popular Media Culture</i>	Stein	Krause, Ohler
2024	<i>Journal of Experimental Psychology: General</i>	Stein	Scheufen, Appel
2008	<i>Developmental Review: DR</i>	Steinberg, L.	N/A
2009	<i>The American Psychologist</i>	Steinberg, L.	N/A
2007	<i>Developmental psychology</i>	Steinberg, L.	Monahan, K. C.

Every Instagram counts? Applying cultivation theory to explore the effects of Instagram on young users' body image
Recognizing the Beauty in Diversity: Exposure to Body-Positive Content on Social Media Broadens Women's Concept of Ideal Body Weight
A Social Neuroscience Perspective on Adolescent Risk-Taking
Should the science of adolescent brain development inform public policy?
Age differences in resistance to peer influence

Stein, J.-P., Krause, E., & Ohler, P. (2019). Every (Insta)Gram counts? Applying cultivation theory to explore the effects of Instagram on young users' body image. *Psychology of Popular Media Culture*, 10(1), 87–97. <https://doi.org/10.1037/ppm0000268>

Stein, J.-P., Scheufen, S., & Appel, M. (2024). Recognizing the beauty in diversity: Exposure to body-positive content on social media broadens women's concept of ideal body weight. *Journal of Experimental Psychology: General*, 153(11), 2642–2656. <https://doi.org/10.1037/xge0001397>

Steinberg, L. (2008). A Social Neuroscience Perspective on Adolescent Risk-Taking. *Developmental Review: DR*, 28(1), 78–106. <https://doi.org/10.1016/j.dr.2007.08.002>

Steinberg, L. (2009). Should the science of adolescent brain development inform public policy? *The American Psychologist*, 64(8), 739–750. <https://doi.org/10.1037/0003-066X.64.8.739>

Steinberg, L., & Monahan, K. C. (2007). Age differences in resistance to peer influence. *Developmental psychology*, 43(6), 1531.

2001	<i>Annual review of psychology</i>	Steinberg, L.	Morris, A. S.
2023	<i>Computers in human behavior</i>	Steinsbekk, S.	Nesi, J. & Wichstrøm, L.
2023	<i>Computers in human behavior</i>	Steinsbekk, S.	Nesi, J., & Wichstrøm, L.
2023	<i>Computers in Human Behavior</i>	Steinsbekk	Nesi, Wichstrom
2020	<i>Body Image</i>	Stevens	Griffiths

Adolescent development

Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years

Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years.

Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10–16 years.

Body Positivity (#BoPo) in everyday life: An ecological momentaryassessment study showing potential benefits to individuals' bodyimage and emotional wellbeing

Steinberg, L., & Morris, A. S. (2001). Adolescent development. Annual review of psychology, 52, 83–110. <https://doi.org/10.1146/annurev.psych.52.1.83>

Steinsbekk, S., Nesi, J., & Wichstrøm, L. (2023). Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years. *Computers in human behavior*, 147, 107859. <https://doi.org/10.1016/j.chb.2023.107859>

Steinsbekk, S., Nesi, J., & Wichstrøm, L. (2023). Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years. *Computers in human behavior*, 147, 107859. <https://doi.org/10.1016/j.chb.2023.107859>

Steinsbekk, S., Nesi, J., & Wichstrøm, L. (2023). Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10–16 years. *Computers in Human Behavior*, 147, 107859–107859. <https://doi.org/10.1016/j.chb.2023.107859>

Stevens, A., & Griffiths, S. (2020). Body Positivity (#BoPo) in Everyday life: an Ecological Momentary Assessment Study Showing Potential Benefits to Individuals' Body Image and Emotional Wellbeing. *Body Image*, 35 (1), 181–191. <https://doi.org/10.1016/j.bodyim.2020.09.003>



2025	<i>Computets in Human Behavior</i>	Stevic	Koban, & Matthes
2022	<i>Body Image</i>	Stieger	Graf, Riegler, Biebl, Swami
2021	<i>NeuroImage</i>	Su, C.	Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y.
2021	<i>Neuroimage</i>	Su, C.	Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y.
2019	<i>International Journal of Eating Disorders</i>	Sugimoto	Nishida, Ando, Usami, Toriyama, Morimoto, Koike, Yamsaki, Kanata, Fujikawa, Furukawa, Sasaki, Miraiwa-Hasegawa, Kasai

Tell me more: Longitudinal relationships between online self-disclosure, co-rumination, and psychological well-being

Engagement with social media content results in lower appearance satisfaction: An experience sampling study using a wrist-worn wearable and a physical analogue scale

Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area

Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area

Use of social networking sites and desire for slimness among 10-year-old girls and boys: A population-based birth cohort study

Stevic, A., Koban, K., & Matthes, J. (2025). Tell me more: Longitudinal relationships between online self-disclosure, co-rumination, and psychological well-being. *Computers in Human Behavior* , 165 , 108540. <https://doi.org/10.1016/j.chb.2024.108540>

Stieger, S., Graf, H. M., Riegler, S. P., Biebl, S., & Swami, V. (2022). Engagement with social media content results in lower appearance satisfaction: An experience sampling study using a wrist-worn wearable and a physical analogue scale. *Body Image* , 43 , 232–243. <https://doi.org/10.1016/j.bodyim.2022.09.009>

Su, C., Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y. (2021). Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. *NeuroImage* , 237, 118136. <https://doi.org/10.1016/j.neuroimage.2021.118136>

Su, C., Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y. (2021). Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. *Neuroimage* , 237, 118136. <https://doi.org/10.1016/j.neuroimage.2021.118136>

Sugimoto, N., Nishida, A., Ando, S., Usami, S., Toriyama, R., Morimoto, Y., Koike, S., Yamasaki, S., Kanata, S., Fujikawa, S., Furukawa, T. A., Sasaki, T., Hiraiwa-Hasegawa, M., & Kasai, K. (2019). Use of social networking sites and desire for slimness among 10-year-old girls and boys: A population-based birth cohort study. *International Journal of Eating Disorders* , 53 (2), 288–295. <https://doi.org/10.1002/eat.23202>

2002	<i>Current Directions in Psychological Science</i>	Suls, J.	Martin, R., & Wheeler, L.
2007	<i>Trends in Neurosciences</i>	Sulzer, D.	N/A
2021	<i>Addictive Behaviors</i>	Sun, Y.	Zhang, Y.
2022	<i>Current Psychology</i>	Sundvik	Davis
2007	<i>Trends in Neurosciences</i>	Surmeier, D. J.	Ding, J., Day, M., Wang, Z., & Shen, W.

Social comparison: Why, with whom, and with what effect?

Multiple hit hypotheses for dopamine neuron loss in Parkinson's disease.

A review of theories and models applied in studies of social media addiction and implications for future research.

Social media stress and mental health: A brief report on the protective role of emotional intelligence

D1 and D2 dopamine-receptor modulation of striatal glutamatergic signaling in striatal medium spiny neurons.

Suls, J., Martin, R., & Wheeler, L. (2002). Social comparison: Why, with whom, and with what effect? *Current Directions in Psychological Science*, 11(5), 159-163.

Sulzer, D. (2007). Multiple hit hypotheses for dopamine neuron loss in Parkinson's disease. *Trends in Neurosciences*, 30(5), 244–250. <https://doi.org/10.1016/j.tins.2007.03.009>

Sun, Y., & Zhang, Y. (2021). A review of theories and models applied in studies of social media addiction and implications for future research. *Addictive Behaviors*, 114, 106699. <https://doi.org/10.1016/j.addbeh.2020.106699>

Sundvik, L. M. S., & Davis, S. K. (2022). Social media stress and mental health: A brief report on the protective role of emotional intelligence. *Current Psychology*, 42 (22). <https://doi.org/10.1007/s12144-022-03035-9>

Surmeier, D. J., Ding, J., Day, M., Wang, Z., & Shen, W. (2007). D1 and D2 dopamine-receptor modulation of striatal glutamatergic signaling in striatal medium spiny neurons. *Trends in Neurosciences*, 30(5), 228–235. <https://doi.org/10.1016/j.tins.2007.03.008>

2022	<i>BMC Public Health</i>	Svensson	Johnson, & Olsson
2011	<i>Archives of general psychiatry</i>	Swanson, S. A.	Crow, S. J., Le Grange, D., Swendsen, J., & Merikangas, K. R.
2021	<i>Journal of Youth and Adolescence</i>	Swirsky	Rosie, Xie
2017	<i>Computers in Human Behavior</i>	Symons, K.	Ponnet, K., Walrave, M., & Heirman, W.
2012	<i>Journal of Research on Adolescence</i>	Szwedo	Mikami, & Allen

Does gender matter? The association between different digital media activities and adolescent well-being
Prevalence and correlates of eating disorders in adolescents: Results from the national comorbidity survey replication adolescent supplement.
Adjustment Correlates of Social Media Engagement Among Early Adolescents
A qualitative study into parental mediation of adolescents' internet use
Social Networking Site Use Predicts Changes in Young Adults' Psychological Adjustment



Svensson, R., Johnson, B., & Olsson, A. (2022). Does gender matter? The association between different digital media activities and adolescent well-being. *BMC Public Health* , 22 (1). <https://doi.org/10.1186/s12889-022-12670-7>

Swanson, S. A., Crow, S. J., Le Grange, D., Swendsen, J., & Merikangas, K. R. (2011). Prevalence and correlates of eating disorders in adolescents. Results from the national comorbidity survey replication adolescent supplement. *Archives of general psychiatry* , 68 (7), 714–723. <https://doi.org/10.1001/archgenpsychiatry.2011.22>

Swirsky, J. M., Rosie, M., & Xie, H. (2021). Adjustment Correlates of Social Media Engagement Among Early Adolescents. *Journal of Youth and Adolescence* . <https://doi.org/10.1007/s10964-021-01421-3>

Symons, K., Ponnet, K., Walrave, M., & Heirman, W. (2017). A qualitative study into parental mediation of adolescents' internet use. *Computers in Human Behavior* , 73, 423–432. <https://doi.org/10.1016/j.chb.2017.04.004>

Szwedo, D. E., Mikami, A. Y., & Allen, J. P. (2012). Social Networking Site Use Predicts Changes in Young Adults' Psychological Adjustment. *Journal of Research on Adolescence* , 22 (3), 453–466. <https://doi.org/10.1111/j.1532-7795.2012.00788.x>

1993	N/A	Taber , J.I.	N/A
2009	<i>Neuron</i>	Takahashi, Y. K.	Roesch, M. R., Stalnaker, T. A., Haney, R. Z., Calu, D. J., Taylor, A. R., Burke, K. A., & Schoenbaum, G.
2018	<i>Body Image</i>	Tamplin	McLean, Paxton
2021	<i>Clinical Psychology Review</i>	Tang	Werner-Seidler, A., Torok, M., Mackinnon, A. J., & Christensen, H.
2010	<i>Addiction</i>	Tao, R.	Huang, X., Wang, J., Zhang, H., Zhang, Y., & Li, M.

Addictive behavior: An Informal Clinical View

The orbitofrontal cortex and ventral tegmental area are necessary for learning from unexpected outcomes

Social media literacy protects against the negative impact of exposure to appearance ideal social media images in young adult women but not men

The relationship between screen time and mental health in young people A systematic review of longitudinal studies

Proposed diagnostic criteria for internet addiction

Taber, J.I., (1993): Addictive behavior: An informal clinical view. In W.R. Eadington & J.A. Cornelius. Gambling behavior and problem gambling. Reno, NV: Institute for the study of gambling & Commercial Gaming, University of Nevada.

Takahashi, Y. K., Roesch, M. R., Stalnaker, T. A., Haney, R. Z., Calu, D. J., Taylor, A. R., Burke, K. A., & Schoenbaum, G. (2009). The orbitofrontal cortex and ventral tegmental area are necessary for learning from unexpected outcomes. *Neuron*, 62(2), 269–280.  
<https://doi.org/10.1016/j.neuron.2009.03.005>

Tamplin, N. C., McLean, S. A., & Paxton, S. J. (2018). Social media literacy protects against the negative impact of exposure to appearance ideal social media images in young adult women but not men. *Body Image*, 26 (1), 29–37. <https://doi.org/10.1016/j.bodyim.2018.05.003>

Tang, S., Werner-Seidler, A., Torok, M., Mackinnon, A. J., & Christensen, H. (2021). The relationship between screen time and mental health in young people: A systematic review of longitudinal studies. *Clinical Psychology Review*, 86, 102021.  
<https://doi.org/10.1016/j.cpr.2021.102021>

Tao, R., Huang, X., Wang, J., Zhang, H., Zhang, Y., & Li, M. (2010). Proposed diagnostic criteria for internet addiction. *Addiction* (Abingdon, England), 105(3), 556–564.  
<https://doi.org/10.1111/j.1360-0443.2009.02828.x>

2013	<i>Journal of Behavioral Addictions</i>	Targhetta, R.	Nalpas, B., & Perney, P.
2016	<i>Neuroscience and Biobehavioral Reviews</i>	Tarokh, L.	Saletin, J. M. & Carskadon, M. A.
2017	<i>Sleep Health</i>	Tavernier, Heissel, Sladek, Grant, Adam	Tavernier, Heissel, Sladek, Grant, Adam
2023	<i>Psychological Studies</i>	Taylor	Rose, Owen
2016	<i>Developmental Cognitive Neuroscience</i>	Telzer, E. H.	N/A

Argentine tango: Another behavioral addiction?

Sleep in adolescence: Physiology, cognition and mental health

Adolescents' technology and face-to-face time use predict objective sleep outcomes

Effects of Viewing Body Positive Quotes on Body Satisfaction, Appreciation and Self-objectification

Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation.

Targhetta, R., Nalpas, B., & Perney, P. (2013). Argentine tango: Another behavioral addiction? *Journal of Behavioral Addictions*, 2(3), 179–186.  
<https://doi.org/10.1556/JBA.2.2013.007>

Tarokh, L., Saletin, J. M., & Carskadon, M. A. (2016). Sleep in adolescence: Physiology, cognition and mental health. *Neuroscience and Biobehavioral Reviews*, 70, 182–188.  
<https://doi.org/10.1016/j.neubiorev.2016.08.008>

Tavernier, R., Heissel, J. A., Sladek, M. R., Grant, K. E., & Adam, E. K. (2017). Adolescents' technology and face-to-face time use predict objective sleep outcomes. *Sleep health*, 3 (4), 276–283. <https://doi.org/10.1016/j.sleh.2017.04.005>

Taylor, J., Rose, S. & Owen, A. (2023). Effects of Viewing Body Positive Quotes on Body Satisfaction, Appreciation and Self-objectification. *Psychological Studies*, 68, 554–562.  
<https://doi.org/10.1007/s12646-023-00748-0>

Telzer, E. H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience*, 17, 57–67. <https://doi.org/10.1016/j.dcn.2015.10.010>

2015	<i>Developmental Cognitive Neuroscience</i>	Telzer, E. H.	Goldenberg, D., Fuligni, A. J., Lieberman, M. D., & Gálvan, A.
2018	<i>Developmental Cognitive Neuroscience</i>	Telzer, E. H.	McCormick, E. M., Peters, S., Cosme, D., Pfeifer, J. H., & van Duijvenvoorde, A. C. K.
2009	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Fuligni, A.J
2009	<i>Developmental Psychology</i>	Telzer, E.H.	Fuligni, A.J.
2013	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Fuligni, A.J.



Sleep variability in adolescence is associated with altered brain development

Methodological considerations for developmental longitudinal fMRI research

A longitudinal daily diary study of family assistance and academic achievement among adolescents from Mexican, Chinese, and European backgrounds

Daily family assistance and the psychological well being of adolescents from Latin American, Asian, and European backgrounds

Positive daily family interactions eliminate gender differences in internalizing symptoms during adolescence

Telzer, E. H., Goldenberg, D., Fuligni, A. J., Lieberman, M. D., & Gálvan, A. (2015). Sleep variability in adolescence is associated with altered brain development. *Developmental Cognitive Neuroscience* , 14, 16–22. <https://doi.org/10.1016/j.dcn.2015.05.007>

Telzer, E. H., McCormick, E. M., Peters, S., Cosme, D., Pfeifer, J. H., & van Duijvenvoorde, A. C. K. (2018). Methodological considerations for developmental longitudinal fMRI research. *Developmental Cognitive Neuroscience* , 33, 149–160. <https://doi.org/10.1016/j.dcn.2018.02.004>

Telzer, E.H. & Fuligni, A.J (2009). A longitudinal daily diary study of family assistance and academic achievement among adolescents from Mexican, Chinese, and European backgrounds. *Journal of Youth and Adolescence* , 38, 560-571. <https://doi.org/10.1007/s10964-008-9391-7>

Telzer, E.H. & Fuligni, A.J. (2009). Daily family assistance and the psychological well being of adolescents from Latin American, Asian, and European backgrounds. *Developmental Psychology* , 45, 1177-1189. <https://doi.org/10.1037/a0014728>

Telzer, E.H. & Fuligni, A.J. (2013). Positive daily family interactions eliminate gender differences in internalizing symptoms during adolescence. *Journal of Youth and Adolescence* , 42, 1498-1511. <https://doi.org/10.1007/s10964-013-9964-y>

2009	<i>Hispanic Journal of Behavioral Sciences</i>	Telzer, E.H.	Vázquez-García, H.A.
2010	<i>Human Development</i>	Telzer, E.H.	N/A
2016	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	N/A
(in press)	<i>Edward Elgar Publishing</i>	Telzer, E.H.	Carranza, A.F.
2024	<i>Springer Press</i>	Telzer, E.H.	Maza, M.T†.

Skin color and self perceptions of immigrant and U.S. born Latinas: The moderating role of racial socialization and ethnic identity

Expanding the acculturation gap-distress model: An integrative review of research

Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation

The adolescent brain in action: How neurodevelopment shapes youth engagement in social justice. In G. Carlo, D. Lapsley, & D. Laible (Eds). Handbook of the Developmental Science of Social Justice.

Social media and the developing brain. In G.J. Rich F., K. Kumar, & Farley (Eds). Handbook of Media Psychology – The Science and the Practice

Telzer, E.H. & Vázquez-García, H.A. (2009). Skin color and self perceptions of immigrant and U.S. born Latinas: The moderating role of racial socialization and ethnic identity. *Hispanic Journal of Behavioral Sciences* , 31, 357-374.  
<https://doi.org/10.1177/0739986309336913>

Telzer, E.H. (2010). Expanding the acculturation gap-distress model: An integrative review of research. *Human Development* , 53, 313-340. <https://doi.org/10.1159/000322476>

Telzer, E.H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience* , 17, 57-67. <https://doi.org/10.1016/j.dcn.2015.10.010>

Telzer, E.H., & Carranza, A.F. (in press). The adolescent brain in action: How neurodevelopment shapes youth engagement in social justice. In G. Carlo, D. Lapsley, & D. Laible (Eds). *Handbook of the Developmental Science of Social Justice*. Edward Elgar Publishing

Telzer, E.H., & Maza, M.T†. (2024). Social media and the developing brain. In G.J. Rich F., K. Kumar, & Farley (Eds). *Handbook of Media Psychology – The Science and the Practice*. Springer Press. <https://doi.org/10.1007/978-3-031-56537-3>

2022	<i>American Psychologist</i>	Telzer, E.H.	Dai, J†., Capella, J.J†., Sobrino, M†., & Garrett, S.L†.
(in press)	<i>Annual Review of Developmental Psychology</i>	Telzer, E.H.	Escalante, E., Jack, D., & Tsai, R.
2015	<i>Journal of Cognitive Neuroscience</i>	Telzer, E.H.	Flannery, J., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N.
2013	<i>Journal of Neuroscience</i>	Telzer, E.H.	Flannery, J., Shapiro, M., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N.
2020	<i>Development and Psychopathology</i>	Telzer, E.H.	Fowler, C†., Davis, M.M†., & Rudolph, K.D.

Challenging stereotypes of teens: Reframing adolescence as a window of opportunity
How social and cultural processes shape adolescents: An Ecocultural Transactional Framework of Adolescent Brain Development
“The Cooties Effect”: Amygdala reactivity to opposite- versus same-sex faces declines from childhood to adolescence
Early experience shapes amygdala sensitivity to race: An international adoption design
Hungry for inclusion: Chronic peer victimization and heightened social monitoring in adolescent girls

Telzer, E.H., Dai, J†., Capella, J.J†., Sobrino, M†., & Garrett, S.L†. (2022). Challenging stereotypes of teens: Reframing adolescence as a window of opportunity. *American Psychologist*, 77(9), 1067–1081. <https://doi.org/10.1037/amp0001109>

Telzer, E.H., Escalante, E., Jack, D., & Tsai, R. (in press). how social and cultural processes shape adolescents: An Ecocultural Transactional Framework of Adolescent Brain Development. *Annual Review of Developmental Psychology*.

Telzer, E.H., Flannery, J., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N. (2015). “The Cooties Effect”: Amygdala reactivity to opposite- versus same-sex faces declines from childhood to adolescence. *Journal of Cognitive Neuroscience*, 27, 1685-1696. [https://doi.org/10.1162/jocn\\_a\\_00813](https://doi.org/10.1162/jocn_a_00813)

Telzer, E.H., Flannery, J., Shapiro, M., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N. (2013). Early experience shapes amygdala sensitivity to race: An international adoption design. *Journal of Neuroscience*, 33, 13484-13488. <https://doi.org/10.1523/JNEUROSCI.1272-13.2013>

Telzer, E.H., Fowler, C†., Davis, M.M†., & Rudolph, K.D. (2020). Hungry for inclusion: Chronic peer victimization and heightened social monitoring in adolescent girls. *Development and Psychopathology*, 32, 1495-1508. <https://doi.org/10.1017/S0954579419001433>



2016	<i>Oxford University Press</i>	Telzer, E.H.	Fuligni, A.J. & Gálvan, A.
2013	<i>Journal of Cognitive Neuroscience</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2013	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2014	<i>Proceedings of the National Academy of Sciences</i>	Telzer, E.H..	Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2015	<i>Social Cognitive Affective Neuroscience</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D, Miernicki, M.E†., & Gálvan, A.

Identifying a cultural resource: Neural correlates of familial influence on risk taking among Mexican-origin adolescents (pgs 209-222). In J.Y. Chiao, S-C Li, R. Seligman, & R. Turner (Eds). The Oxford Handbook of Cultural Neuroscience

Meaningful family relationships: Neurocognitive buffers of adolescent risk taking

Ventral striatum activation to prosocial rewards predicts longitudinal declines in adolescent risk taking

Neural sensitivity to eudaimonic and hedonic rewards differentially predict adolescent depressive symptoms over time

The quality of adolescents' peer relationships modulates neural sensitivity to risk taking

Telzer, E.H., Fuligni, A.J., & Gálvan, A. (2016). Identifying a cultural resource: Neural correlates of familial influence on risk taking among Mexican-origin adolescents (pgs 209-222). In J.Y. Chiao, S-C Li, R. Seligman, & R. Turner (Eds). *The Oxford Handbook of Cultural Neuroscience*. Oxford University Press, New York, NY.  
<https://doi.org/10.1093/oxfordhb/9780199357376.013.15>

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Telzer, E.H., Fuligni, A.J., Lieberman, M.D, & Gálvan, A. (2013). Ventral striatum activation to prosocial rewards predicts longitudinal declines in adolescent risk taking. *Developmental Cognitive Neuroscience* , 3, 45-52. <https://doi.org/10.1016/j.dcn.2012.08.004>

Telzer, E.H., Fuligni, A.J., Lieberman, M.D, & Gálvan, A. (2014). Neural sensitivity to eudaimonic and hedonic rewards differentially predict adolescent depressive symptoms over time. *Proceedings of the National Academy of Sciences*, 111, 6600-6605.  
<https://doi.org/10.1073/pnas.1323014111>

Telzer, E.H., Fuligni, A.J., Lieberman, M.D, Miernicki, M.E†., & Gálvan, A. (2015). The quality of adolescents' peer relationships modulates neural sensitivity to risk taking. *Social Cognitive Affective Neuroscience* , 10, 389-398. <https://doi.org/10.1093/scan/nsu064>

2013	<i>NeuroImage</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D., & Gálvan, A.
2015	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	Goldenberg, D., Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2014	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Gonzales, N. & Fuligni, A.J.
2013	<i>Journal of Cognitive Neuroscience</i>	Telzer, E.H.	Humphreys, K.L., Shapiro, M., & Tottenham, N.L
2015	<i>Social Cognitive Affective Neuroscience</i>	Telzer, E.H.	Ichien, N.I†. & Qu, Y†.

The effects of poor quality sleep on brain function during risk taking in adolescence

Sleep variability in adolescence is associated with altered brain development

Family obligation values and family assistance behaviors: Protective and risk factors for adolescent substance use

Amygdala sensitivity to race is not present in childhood but emerges over adolescence

Mothers know best: Redirecting adolescent reward sensitivity to promote safe behavior during risk taking

Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Gálvan, A. (2013). The effects of poor quality sleep on brain function during risk taking in adolescence. *NeuroImage* , 71, 275-283. <https://doi.org/10.1016/j.neuroimage.2013.01.025>

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Telzer, E.H., Ichien, N.I†., & Qu, Y†. (2015). Mothers know best: Redirecting adolescent reward sensitivity to promote safe behavior during risk taking. *Social Cognitive Affective Neuroscience* , 10, 1383-1391. <https://doi.org/10.1093/scan/nsv026>

2015	<i>NeuroImage</i>	Telzer, E.H.	Ichien, N.I†. & Qu, Y†.
2021	<i>Child Development</i>	Telzer, E.H.	Jorgensen, N.A†., Prinstein, M.J., & Lindquist, K.A.
2022	<i>American Psychological Association.</i>	Telzer, E.H.	Kwon, S†. & Jorgensen, N.A†.
2010	<i>Social Neuroscience</i>	Telzer, E.H.	Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J.
2011	<i>NeuroImage</i>	Telzer, E.H.	Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J.

The ties that bind: Group membership shapes the neural correlates of ingroup favoritism

Neurobiological sensitivity to social rewards and punishments moderates link between peer norms and adolescent risk taking

Neurobiological development in adolescence and early adulthood: Implications for positive youth adjustment. In L. Crockett, G. Carlo, & J. Schulenberg (Eds). APA Handbook of Adolescent and Young Adult Development

Gaining while giving: An fMRI study of the rewards of family assistance among White and Latino youth

Neural regions involved in self-control and mentalizing are recruited during prosocial decisions towards the family



Telzer, E.H., Ichien, N.I†., & Qu, Y†. (2015). The ties that bind: Group membership shapes the neural correlates of ingroup favoritism. *NeuroImage* , 115, 42-51.  
<https://doi.org/10.1016/j.neuroimage.2015.04.035>

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Telzer, E.H., Kwon, S†., & Jorgensen, N.A†. (2022). Neurobiological development in adolescence and early adulthood: Implications for positive youth adjustment. In L. Crockett, G. Carlo, & J. Schulenberg (Eds). *APA Handbook of Adolescent and Young Adult Development*. American Psychological Association. <https://doi.org/10.1037/0000298-000>

Telzer, E.H., Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J. (2010). Gaining while giving: An fMRI study of the rewards of family assistance among White and Latino youth. *Social Neuroscience* , 5, 508-518. <https://doi.org/10.1080/17470911003687913>

Telzer, E.H., Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J. (2011). Neural regions involved in self-control and mentalizing are recruited during prosocial decisions towards the family. *NeuroImage* , 58, 242-249.  
<https://doi.org/10.1016/j.neuroimage.2011.06.013>

2018	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	McCormick, E.M <sup>†</sup> ., Peters, S., Cosme, D., Pfeifer, P.H., & A.C.K., van Duijvenvoorde
2018	<i>Development and Psychopathology</i>	Telzer, E.H.	Miernicki, M.E <sup>†</sup> . & Rudolph, K.
2008	<i>Biological Psychology</i>	Telzer, E.H.	Mogg, K., Bradley, B.P., Mai, X., Ernst, M., Pine, D.S., & Monk, C.S.
2017	<i>NeuroImage</i>	Telzer, E.H.	Qu, Y <sup>†</sup> . & Lin, L <sup>†</sup> .
2014	<i>Frontiers in Human Neuroscience</i>	Telzer, E.H.	Qu, Y <sup>†</sup> ., Goldenberg, D., Fuligni, A.J., Gálvan, A. & Lieberman, M.D.

Methodological considerations for  
developmental longitudinal fMRI research

Chronic peer victimization heightens neural  
sensitivity to risk taking

Relationship between trait anxiety, prefrontal  
cortex, and attention bias to angry faces in  
children and adolescents

Neural processes underlying cultural  
differences in cognitive persistence

Adolescents' emotional competence is  
associated with their parent's neural  
sensitivity to emotions

Telzer, E.H., McCormick, E.M†., Peters, S., Cosme, D., Pfeifer, P.H., & A.C.K., van Duijvenvoorde (2018). Methodological considerations for developmental longitudinal fMRI research. *Developmental Cognitive Neuroscience* , 33, 149-160.  
<https://doi.org/10.1016/j.dcn.2018.02.004>. Special Issue on Methodological Challenges in Developmental Neuroimaging

Telzer, E.H., Miernicki, M.E†., & Rudolph, K. (2018). Chronic peer victimization heightens neural sensitivity to risk taking. *Development and Psychopathology* , 30, 13-26.  
<https://doi.org/10.1017/S0954579417000438>

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<https://doi.org/10.1016/j.biopsycho.2008.05.004>

Telzer, E.H., Qu, Y†., & Lin, L†. (2017). Neural processes underlying cultural differences in cognitive persistence. *NeuroImage* , 156, 224-231.  
<https://doi.org/10.1016/j.neuroimage.2017.05.034>

Telzer, E.H., Qu, Y†., Goldenberg, D., Fuligni, A.J., Gálvan, A. & Lieberman, M.D. (2014). Adolescents' emotional competence is associated with their parent's neural sensitivity to emotions. *Frontiers in Human Neuroscience* , 8, 1-12. Special Issue Human Explanation: Psychology, Computation, and Neuroscience. <https://doi.org/10.3389/fnhum.2014.00558>

2017	<i>Current Addiction Reports</i>	Telzer, E.H.	Rogers, C.R†. & van Hoorn, J†.
2015	<i>Developmental Psychology</i>	Telzer, E.H.	Tsai, K.M., Gonzales, N., & Fuligni, A.J.
2018	<i>Advances in Child Development and Behavior</i>	Telzer, E.H.	van Hoorn, J†., Rogers, C.R†. & Do, K.T†.
2016	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Yuen, C.X†., Gonzales, N.A., & Fuligni, A.J.
2014	<i>Journal of Adolescence</i>	Teppersa	Luyckxa, Klimstrab, & Goossens

Neural correlates of social influence on risk taking and substance use in adolescents
Mexican-American adolescents' family obligation values and behaviors: Links to internalizing symptoms across time and family context
Social influence on positive youth development: A developmental neuroscience perspective
Filling gaps in the acculturation gap-distress model: Heritage cultural maintenance and adjustment in Mexican-American adolescents
Loneliness and Facebook motives in adolescence: A longitudinal inquiry into directionality of effect

Telzer, E.H., Rogers, C.R†., & van Hoorn, J†. (2017). Neural correlates of social influence on risk taking and substance use in adolescents. *Current Addiction Reports* , 4, 333-341. <https://doi.org/10.1007/s40429-017-0164-9>

Telzer, E.H., Tsai, K.M., Gonzales, N., & Fuligni, A.J. (2015). Mexican-American adolescents' family obligation values and behaviors: Links to internalizing symptoms across time and family context. *Developmental Psychology* , 51, 75-86. <https://doi.org/10.1037/a0038434>

Telzer, E.H., van Hoorn, J†., Rogers, C.R†. & Do, K.T†. (2018). Social influence on positive youth development: A developmental neuroscience perspective. *Advances in Child Development and Behavior*, 54, 215-258. <https://doi.org/10.1016/bs.acdb.2017.10.003>

Telzer, E.H., Yuen, C.X†., Gonzales, N.A., & Fuligni, A.J. (2016). Filling gaps in the acculturation gap-distress model: Heritage cultural maintenance and adjustment in Mexican-American adolescents. *Journal of Youth and Adolescence* , 45, 1412-1425. <https://doi.org/10.1007/s10964-015-0408-8>

Teppers, E., Luyckx, K., A. Klimstra, T., & Goossens, L. (2014). Loneliness and Facebook motives in adolescence: A longitudinal inquiry into directionality of effect. *Journal of Adolescence* , 37 (5), 691–699. <https://doi.org/10.1016/j.adolescence.2013.11.003>

2004	<i>Addiction Research &amp; Theory</i>	Terry, A.	Terry, A., Szabo, A., & Griffiths, M.
2021	<i>Journal of Social and Clinical Psychology</i>	Thai, H.	Davis, C. G., Stewart, N., Gunnell, K. E., & Goldfield, G. S.
2010	<i>Child Development</i>	Thomaes, S.	Reijntjes, A., Orobio de Castro, B., Bushman, B. J., Poorthuis, A., & Telch, M. J.
2023	<i>Journal of Youth and Adolescence</i>	Thomas	Jing, Chen, Crawford
2020	<i>Psychology of Popular Media</i>	Thomas	Balzer Carr, Azmitia, & Whittaker



THE EXERCISE ADDICTION  
INVENTORY: A NEW BRIEF  
SCREENING TOOL.

The Effects of Reducing Social Media Use  
on Body Esteem Among Transitional-Aged  
Youth

I like me if you like me: on the interpersonal  
modulation and regulation of preadolescents'  
state self-esteem

Taking the good with the bad?: Social Media  
and Online Racial Discrimination Influences  
on Psychological and Academic Functioning  
in Black and Hispanic Youth

Alone and Online: Understanding the  
Relationships Between Social Media,  
Solitude, and Psychological Adjustment.

Terry, A., Szabo, A., & Griffiths, M. (2004). THE EXERCISE ADDICTION INVENTORY: A NEW BRIEF SCREENING TOOL.

Thai, H., Davis, C. G., Stewart, N., Gunnell, K. E., & Goldfield, G. S. (2021). The Effects of Reducing Social Media Use on Body Esteem Among Transitional-Aged Youth. *Journal of Social and Clinical Psychology*, 40 (6), 481–507. <https://doi.org/10.1521/jscp.2021.40.6.481>

Thomaes, S., Reijntjes, A., Orobio de Castro, B., Bushman, B. J., Poorthuis, A., & Telch, M. J. (2010). I like me if you like me: on the interpersonal modulation and regulation of preadolescents' state self-esteem. *Child Development*, 81(3), 811–825. <https://doi.org/10.1111/j.1467-8624.2010.01435.x>

Thomas, A., Jing, M., Chen, HY. *et al.* (2023). Taking the good with the bad?: Social Media and Online Racial Discrimination Influences on Psychological and Academic Functioning in Black and Hispanic Youth. *J Youth Adolescence*, 52. 245–257 <https://doi.org/10.1007/s10964-022-01689-z>

Thomas, V., Balzer Carr, B., Azmitia, M., & Whittaker, S. (2020). Alone and online: Understanding the relationships between social media, solitude, and psychological adjustment. *Psychology of Popular Media*, 10 (2). <https://doi.org/10.1037/ppm0000287>

2011	<i>Journal of Child Psychology and Psychiatry, and Allied Disciplines</i>	Thomason, M. E.	Hamilton, J. P. & Gotlib, I. H.
2001	<i>The American Psychologist</i>	Thompson, R. A.	Nelson, C. A.
2021	<i>Journal of Behavioral Addictions</i>	Thomson, K.	Hunter, S. C., Butler, S. H., & Robertson, D. J.
2025	<i>Psychology of Popular Media</i>	Thrul	Devkota, J., AlJuboori, D., Regan, T., Alomairah, S., Vidal, C.
2019	<i>New Media &amp; Society</i>	Tiggemann	Anderberg

Stress-induced activation of the HPA axis predicts connectivity between subgenual cingulate and salience network during rest in adolescents
Developmental science and the media. Early brain development
Social media ‘addiction’: The absence of an attentional bias to social media stimuli.
(pre-print) Social media reduction or abstinence interventions are providing mental health benefits – reanalysis of a published meta-analysis
Social media is not real: The effect of ‘Instagram vs reality’ images on women’s social comparison and body image

Thomason, M. E., Hamilton, J. P., & Gotlib, I. H. (2011). Stress-induced activation of the HPA axis predicts connectivity between subgenual cingulate and salience network during rest in adolescents. *Journal of Child Psychology and Psychiatry, and Allied Disciplines*, 52(10), 1026–1034. <https://doi.org/10.1111/j.1469-7610.2011.02422.x>

Thompson, R. A., & Nelson, C. A. (2001). Developmental science and the media. Early brain development. *The American Psychologist*, 56(1), 5–15. <https://doi.org/10.1037/0003-066x.56.1.5>

Thomson, K., Hunter, S. C., Butler, S. H., & Robertson, D. J. (2021). Social media ‘addiction’: The absence of an attentional bias to social media stimuli. *Journal of Behavioral Addictions*, 10(2), 302–313. <https://doi.org/10.1556/2006.2021.00011>

Thrul, J., Devkota, J., AlJuboori, D., Regan, T., Alomairah, S., & Vidal, C. (2025). Social media reduction or abstinence interventions are providing mental health benefits—Reanalysis of a published meta-analysis. *Psychology of Popular Media*, 14(2), 207–209. <https://doi.org/10.1037/ppm0000574>

Tiggemann, M., & Anderberg, I. (2019). Social media is not real: The effect of ‘Instagram vs reality’ images on women’s social comparison and body image. *New Media & Society*, 22(12), 2183-2199. <https://doi.org/10.1177/1461444819888720>

2014	<i>The Journal of Early Adolescence</i>	Tiggemann M.	Slater A.
2017	<i>International Journal of Eating Disorders</i>	Tiggemann	Slater
2020	<i>Body Image</i>	Tiggemann	Velissaris
2015	<i>Body Image</i>	Tiggemann	Zaccardo
2018	<i>Journal of Health Psychology</i>	Tiggemann	Zaccardo

Nettweens: The internet and body image concerns in preteenage girls.

Facebook and Body Image Concern in Adolescent Girls: A Prospective Study

The effect of viewing challenging “reality check” Instagram comments on women’s body image

“Exercise to be fit, not skinny”: The effect of fitspiration imagery on women's body image

‘Strong is the new skinny’: A content analysis of #fitspiration images on Instagram

Tiggemann, M., & Slater, A. (2014). Netweens: The internet and body image concerns in preteenage girls. *The Journal of Early Adolescence*, 34(5), 606–620. <https://doi.org/10.1177/0272431613501083>

Tiggemann, M., & Slater, A. (2017). Facebook and body image concern in adolescent girls: A prospective study. *The International journal of eating disorders*, 50 (1), 80–83. <https://doi.org/10.1002/eat.22640>

Tiggemann, M., & Velissaris, V. G. (2020). The effect of viewing challenging “reality check” Instagram comments on women’s body image. *Body Image*, 33, 257–263. <https://doi.org/10.1016/j.bodyim.2020.04.004>

Tiggemann, M., & Zaccardo, M. (2015). “Exercise to Be fit, Not skinny”: the Effect of Fitspiration Imagery on women’s Body Image. *Body Image*, 15 (1), 61–67. <https://doi.org/10.1016/j.bodyim.2015.06.003>

Tiggemann, M., & Zaccardo, M. (2018). “Strong is the new skinny”: A content analysis of #fitspiration images on instagram. *Journal of Health Psychology*, 23 (8), 1003–1011. <https://doi.org/10.1177/1359105316639436>



2019	<i>Body Image</i>	Tiggemann	Zinoviev
2020	<i>Body Image</i>	Tiggemann	Anderberg, Brown
2020	<i>Body Image</i>	Tiggemann, M.	Anderberg, I. & Brown, Z.
2018	<i>Body Image</i>	Tiggemann	Hayden, Brown, Veldhuis
2020	<i>Journal of Adolescence</i>	Timeo	Riva, Paladino

The effect of #enhancement-free Instagram images and hashtags on women's body image

#Loveyourbody: The effect of body positive Instagram captions on women's body image

Uploading your best self: Selfie editing and body dissatisfaction

The effect of Instagram "likes" on women's social comparison and body dissatisfaction

Being liked or not being liked: A study on social-media exclusion in a preadolescent population

Tiggemann, M., & Zinoviev, K. (2019). The effect of #enhancement-free Instagram images and hashtags on women's body image. *Body Image*, 31, 131–138.  
<https://doi.org/10.1016/j.bodyim.2019.09.004>

Tiggemann, M., Anderberg, I., & Brown, Z. (2020). #Loveyourbody: The effect of body positive Instagram captions on women's body image. *Body Image*, 33, 129–136.  
<https://doi.org/10.1016/j.bodyim.2020.02.015>

Tiggemann, M., Anderberg, I., & Brown, Z. (2020). Uploading your best self: Selfie editing and body dissatisfaction. *Body Image*, 33, 175–182.  
<https://doi.org/10.1016/j.bodyim.2020.03.002>

Tiggemann, M., Hayden, S., Brown, Z., & Veldhuis, J. (2018). The effect of Instagram “likes” on women's social comparison and body dissatisfaction. *Body Image*, 26 (1), 90–97.  
<https://doi.org/10.1016/j.bodyim.2018.07.002>

Timeo, S., Riva, P., & Paladino, M. P. (2020). Being liked or not being liked: A study on social-media exclusion in a preadolescent population. *Journal of Adolescence*, 80, 173–181.  
<https://doi.org/10.1016/j.adolescence.2020.02.010>

2012	<i>Cold Spring Harbor perspectives in medicine</i>	Ting-A-Kee, R.	van der Kooy, D.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Toenders, Y. J.	Dorsman, H., van der Cruijssen, R., & Crone, E. A.
2024	<i>Psychological Topics</i>	Topic	Brajsa-Zganec, Kucar, Dzida, & Brkljacic
2022	N/A	Toth, D.	N/A
2016	<i>Neuroscience and Biobehavioral Reviews</i>	Tottenham, N.	Galván, A.

The neurobiology of opiate motivation

Developing body estimation in adolescence is associated with neural regions that support self-concept

Is There a Longitudinal Effect of Different Types of Digital Technology Use on Preadolescents' Subjective Well-Being?

Ohio Principals with Students in Grades 6 through 12 and Their Perceptions and Procedures on Student Cell Phone Use within Their Schools [Doctoral dissertation]

Stress and the adolescent brain: Amygdala-prefrontal cortex circuitry and ventral striatum as developmental targets

Ting-A-Kee, R., & van der Kooy, D. (2012). The neurobiology of opiate motivation. *Cold Spring Harbor perspectives in medicine*, 2(10), a012096.  
<https://doi.org/10.1101/cshperspect.a012096>

Toenders, Y. J., Dorsman, H., van der Cruisen, R., & Crone, E. A. (2024). Developing body estimation in adolescence is associated with neural regions that support self-concept. *Social Cognitive and Affective Neuroscience*, 19(1). <https://doi.org/10.1093/scan/nsae042>

Topić, M.K., Brajša-Žganec, A., Kućar, M., Džida, M., & Brkljačić, T. (2024). Is There a Longitudinal Effect of Different Types of Digital Technology Use on Preadolescents' Subjective Well-Being? *Psihologijske Teme*, 33 (1), 1–23. <https://doi.org/10.31820/pt.33.1.1>

Toth, D. (2022). Ohio Principals with Students in Grades 6 through 12 and Their Perceptions and Procedures on Student Cell Phone Use within Their Schools [Doctoral dissertation]. Youngstown State University.

Tottenham, N., & Galván, A. (2016). Stress and the adolescent brain: Amygdala-prefrontal cortex circuitry and ventral striatum as developmental targets. *Neuroscience and Biobehavioral Reviews*, 70, 217–227. <https://doi.org/10.1016/j.neubiorev.2016.07.030>

2009	<i>Frontiers in Human Neuroscience</i>	Tottenham, N.	Sheridan, M. A.
2010	<i>Developmental Science</i>	Tottenham, N.	Hare, T. A., Quinn, B. T., McCarry, T. W., Nurse, M., Gilhooly, T., Millner, A., Galvan, A., Davidson, M. C., Eigsti, I.-M., Thomas, K. M., Freed, P. J., Booma, E. S., Gunnar, M. R.,
2012	<i>Developmental Science</i>	Tottenham, N.L.	Shapiro, M., Telzer, E.H., & Humphreys, K.
2021	N/A	Tran, A.	N/A
2024	PPM	Trekels	N/A

<p>A review of adversity, the amygdala and the hippocampus: a consideration of developmental timing</p>
<p>Prolonged institutional rearing is associated with atypically large amygdala volume and difficulties in emotion regulation</p>
<p>Amygdala response to mother</p>
<p>Perceptions of the Influence of Cell Phones and Social Media Usage on Students' Academic Performance [Doctoral dissertation]</p>
<p>From Filters to Body Positivity: Opposing Social Media Messages and Adolescent Body Image</p>



Tottenham, N., & Sheridan, M. A. (2009). A review of adversity, the amygdala and the hippocampus: a consideration of developmental timing. *Frontiers in Human Neuroscience* , 3, 68. <https://doi.org/10.3389/neuro.09.068.2009>

Tottenham, N., Hare, T. A., Quinn, B. T., McCarry, T. W., Nurse, M., Gilhooly, T., Millner, A., Galvan, A., Davidson, M. C., Eigsti, I.-M., Thomas, K. M., Freed, P. J., Booma, E. S., Gunnar, M. R., Altemus, M., Aronson, J., & Casey, B. J. (2010). Prolonged institutional rearing is associated with atypically large amygdala volume and difficulties in emotion regulation. *Developmental Science* , 13(1), 46–61. <https://doi.org/10.1111/j.1467-7687.2009.00852.x>

Tottenham, N.L., Shapiro, M., Telzer, E.H., & Humphreys, K. (2012). Amygdala response to mother. *Developmental Science* , 15, 307-315. <https://doi.org/10.1111/j.1467-7687.2011.01128.x>

Tran, A. (2021). Perceptions of the Influence of Cell Phones and Social Media Usage on Students' Academic Performance [Doctoral dissertation]. San Jose State University.

Trekels, J. (2024). From filters to body positivity: Opposing social media messages and adolescent body image. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000565>

2024	<i>Cyberpsychology, Behavior and Social Networking</i>	Trekels, J.	Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H.
2024	<i>Cyberpsychology, Behavior, and Social Networking</i>	Trekels, J.	Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H.
2018	<i>Computers in Human Behavior</i>	Trekels	Ward, Eggermont
(in press)	<i>Journal of Communication</i>	Trekels, J†.	Telzer, E.H.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Trekels, J†.	Maza, M.T†., Capella, J†., Jorgensen, N.A†., Kwon, SJ†., Lindquist, K.A., Prinstein, M.J. & Telzer, E.H.

Dispositional and social correlates of digital status seeking among adolescents

Dispositional and social correlates of digital status seeking among adolescents

I “like” the way you look: How appearance-focused and overall Facebook use contribute to adolescents' self-sexualization

The Swiss Cheese Model of Social Cues: A theoretical perspective on the role of social context in shaping social media’s effect on adolescent well-being

Diverse social media experiences and adolescents’ depressive symptoms: The moderating role of neurobiological sensitivity to rejected peers

Trekels, J., Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H. (2024). Dispositional and social correlates of digital status seeking among adolescents. *Cyberpsychology, Behavior and Social Networking*, 27(3), 187–193. <https://doi.org/10.1089/cyber.2023.0342>

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Trekels, J., Ward, L. M., & Eggermont, S. (2018). I “like” the way you look: How appearance-focused and overall Facebook use contribute to adolescents’ self-sexualization. *Computers in Human Behavior*, 81, 198–208. <https://doi.org/10.1016/j.chb.2017.12.020>

Trekels, J†. & Telzer, E.H. (in press). The Swiss Cheese Model of Social Cues: A theoretical perspective on the role of social context in shaping social media’s effect on adolescent well-being. *Journal of Communication*.

Trekels, J†., Maza, M.T†., Capella, J†., Jorgensen, N.A†., Kwon, SJ†., Lindquist, K.A., Prinstein, M.J. & Telzer, E.H. (2024). Diverse social media experiences and adolescents’ depressive symptoms: The moderating role of neurobiological sensitivity to rejected peers. *Social Cognitive and Affective Neuroscience*, 19(1), nsae070. <https://doi.org/10.1093/scan/nsae070>

2024	<i>Cyberpsychology, Behavior, and Social Networking</i>	Trekels, J†.	Nesi, J., Burnell, K., Prinstein, M.J., & Telzer, E.H.
2022	N/A	Tricoli, M.	N/A
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Tromholt, M.	N/A
2013	<i>Child Development</i>	Tsai, K.M.	Telzer, E.H. & Fuligni, A.J.
2013	<i>Journal of Marriage and Family</i>	Tsai, K.M.	Telzer, E.H., Gonzales, N., & Fuligni, A.J.

Dispositional and social correlates of digital status seeking among adolescents
Teacher Perceptions of Cell Phone Use During the Instructional School Day [Doctoral dissertation]
The Facebook Experiment: Quitting Facebook Leads to Higher Levels of Well-Being
Continuity and discontinuity in perceptions of family relationships from adolescent to young adulthood
Adolescents' daily assistance to the family in response to maternal need

Trekels, J†., Nesi, J., Burnell, K., Prinstein, M.J., & Telzer, E.H. (2024). Dispositional and social correlates of digital status seeking among adolescents. *Cyberpsychology, Behavior, and Social Networking*, 187-193. <https://doi.org/10.1089/cyber.2023.0342>

Tricoli, M. (2022). Teacher Perceptions of Cell Phone Use During the Instructional School Day [Doctoral dissertation]. St. John's University.

Tromholt, M. (2016). The Facebook Experiment: Quitting Facebook Leads to Higher Levels of Well-Being. *Cyberpsychology, Behavior, and Social Networking*, 19 (11), 661–666. <https://doi.org/10.1089/cyber.2016.0259>

Tsai, K.M., Telzer, E.H., & Fuligni, A.J. (2013). Continuity and discontinuity in perceptions of family relationships from adolescent to young adulthood. *Child Development*, 84, 471-484. <https://doi.org/10.1111/j.1467-8624.2012.01858.x>

Tsai, K.M., Telzer, E.H., Gonzales, N., & Fuligni, A.J. (2013). Adolescents' daily assistance to the family in response to maternal need. *Journal of Marriage and Family*, 75, 964-980. <https://doi.org/10.1111/jomf.12035>

2015	<i>Child Development</i>	Tsai, K.M.	Telzer, E.H., Gonzales, N., & Fuligni, A.J.
2024	<i>Emotion</i>	Tuck	Thompson
2023	<i>Cognition and Emotion</i>	Tuck	Long, Thompson
2018	<i>Psychiatry Research</i>	Turel, O.	Cavagnaro, D. R., & Mesh
2018	<i>Cognitive, Affective &amp; Behavioral Neuroscience</i>	Turel, O.	He, Q., Brevers, D., & Bechara, A.



Parental cultural socialization of Mexican-American adolescents' family obligation values and behaviors

Types of Social Media Use Are Differentially Associated With Trait and Momentary Affect

Social media's influence on momentary emotion based on people's initial mood: an experimental design

Short abstinence from online social networking sites reduces perceived stress, especially in excessive users.

Delay discounting mediates the association between posterior insular cortex volume and social media addiction symptoms

Tsai, K.M., Telzer, E.H., Gonzales, N., & Fuligni, A.J. (2015). Parental cultural socialization of Mexican-American adolescents' family obligation values and behaviors. *Child Development*, 86, 1241-1252. <https://doi.org/10.1111/cdev.12358>

Tuck, A. B., & Thompson, R. J. (2024). Types of social media use are differentially associated with trait and momentary affect. *Emotion*, 24(7), 1600–1611. <https://doi.org/10.1037/emo0001379>

Tuck, A. B., Long, K. A., & Thompson, R. J. (2023). Social media's influence on momentary emotion based on people's initial mood: an experimental design. *Cognition and Emotion*, 37(5), 1049–1056. <https://doi.org/10.1080/02699931.2023.2219443>

Turel, O., Cavagnaro, D. R., & Meshi, D. (2018). Short abstinence from online social networking sites reduces perceived stress, especially in excessive users. *Psychiatry Research*, 270, 947–953. <https://doi.org/10.1016/j.psychres.2018.11.017>

Turel, O., He, Q., Brevers, D., & Bechara, A. (2018). Delay discounting mediates the association between posterior insular cortex volume and social media addiction symptoms. *Cognitive, Affective & Behavioral Neuroscience*, 18(4), 694–704. <https://doi.org/10.3758/s13415-018-0597-1>

2014	<i>Psychological Reports: Disability &amp; Trauma</i>	Turel, O.	He, Q.; Xue, G.; Xiao, L.
2014	<i>Psychological Reports</i>	Turel, O.	He, Q., Xue, G., Xiao, L., & Bechara, A.
2018	<i>Communications biology</i>	Turner, B. O.	Paul, E. J., Miller, M. B., & Barbey, A. K.
1985	<i>Russell Sage Foundation.</i>	Turner, C.	Martin, E.
2017	<i>Eating &amp; Weight Disorders</i>	Turner	Lefevre

Examination of Neural Systems Sub-Serving  
Facebook "Addiction"

Examination of neural systems sub-serving  
facebook "addiction"

Small sample sizes reduce the replicability of  
task-based fMRI studies

Surveying Subjective Phenomena.

Instagram use is linked to increased  
symptoms of orthorexia nervosa

Turel, O., He, Q., Xue, G., Xiao, L., & Bechara, A. (2014). Examination of neural systems subserving facebook "addiction". *Psychological reports* , 115 (3), 675–695.  
<https://doi.org/10.2466/18.PR0.115c31z8>

Turel, O., He, Q., Xue, G., Xiao, L., & Bechara, A. (2014). Examination of neural systems subserving facebook “addiction”. *Psychological Reports* , 115(3), 675–695.  
<https://doi.org/10.2466/18.PR0.115c31z8>

Turner, B. O., Paul, E. J., Miller, M. B., & Barbey, A. K. (2018). Small sample sizes reduce the replicability of task-based fMRI studies. *Communications biology*, 1, 62.  
<https://doi.org/10.1038/s42003-018-0073-z>

Turner, C., & Martin, E. (1985). *Surveying Subjective Phenomena*. Russell Sage Foundation.  
<https://books.google.com/books?id=cQi5BgAAQBAJ>

Turner, P. G., & Lefevre, C. E. (2017). Instagram use is linked to increased symptoms of orthorexia nervosa. *Eating and Weight Disorders - Studies on Anorexia, Bulimia and Obesity* , 22 (2), 277–284. <https://doi.org/10.1007/s40519-017-0364-2>

2021	<i>Developmental Cognitive Neuroscience</i>	Turpyn, C. C.	N/A
2022	<i>Cambridge University Press</i>	Turpyn, C. C.	Telzer, E. H.
2021	<i>Developmental Cognitive Neuroscience</i>	Turpyn, C.C†.	Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2022	<i>Cambridge University Press</i>	Turpyn, C†	Telzer, E.H.
2019	<i>Journal of Abnormal Psychology</i>	Twenge, J. M.	Cooper, A. B., Joiner, T. E., Duffy, M. E., & Binau, S. G.

Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior.

Parenting and brain development. In A. S. Morris & J. Mendez Smith (Eds.), The cambridge handbook of parenting (pp. 50–70)

Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior

Parenting and brain development. In A.S. Morris & J. Mendez Smith (Eds). The Cambridge Handbook of Parenting: Interdisciplinary Research and Application

Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005-2017

Turpyn, C. C. (2021). Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. *Developmental Cognitive Neuroscience*. 51

Turpyn, C. C., & Telzer, E. H. (2022). Parenting and brain development. In A. S. Morris & J. Mendez Smith (Eds.), *The cambridge handbook of parenting* (pp. 50–70). Cambridge University Press. <https://doi.org/10.1017/9781108891400.005>

Turpyn, C.C†., Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2021). Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. *Developmental Cognitive Neuroscience*, 51, 100993. <https://doi.org/10.1016/j.dcn.2021.100993>

Turpyn, C†. & Telzer, E.H. (2022). Parenting and brain development. In A.S. Morris & J. Mendez Smith (Eds). *The Cambridge Handbook of Parenting: Interdisciplinary Research and Application*. Cambridge University Press, New York, NY. <https://doi.org/10.1017/9781108891400>

Twenge, J. M., Cooper, A. B., Joiner, T. E., Duffy, M. E., & Binau, S. G. (2019). Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005-2017. *Journal of Abnormal Psychology*, 128(3), 185–199. <https://doi.org/10.1037/abn0000410>



2022	<i>Acta Psychologica</i>	Twenge	Haidt, Lozano, Cummins
2022	<i>Acta psychologica</i>	Twenge	Haidt, J., Lozano, J., Cummins
2017	<i>Sleep Medicine</i>	Twenge, Krizan, Hisler	Krizan, Hisler
2018	<i>Emotion</i>	Twenge	Martin, G. N., Campbell,
2016	<i>The National Institute of Mental Health.</i>	U.S. Department of Health and Human Services.	N/A

Specification curve analysis shows that social media use is linked to poor mental health, especially among girls

Specification curve analysis shows that social media use is linked to poor mental health, especially among girls

Decreases in self-reported sleep duration among U.S. adolescents 2009-2015 and association with new media screen time

Decreases in Psychological Well-Being Among American Adolescents After 2012 and Links to Screen Time During the Rise of Smartphone Technology

The Teen Brain: 6 Things To Know

Twenge, J. M., Haidt, J., Lozano, J., & Cummins, K. M. (2022). Specification curve analysis shows that social media use is linked to poor mental health, especially among girls. *Acta Psychologica* , 224 (224), 103512. <https://doi.org/10.1016/j.actpsy.2022.103512>

Twenge, J. M., Haidt, J., Lozano, J., & Cummins, K. M. (2022). Specification curve analysis shows that social media use is linked to poor mental health, especially among girls. *Acta psychologica* , 224 , 103512. <https://doi.org/10.1016/j.actpsy.2022.103512>

Twenge, J. M., Krizan, Z., & Hisler, G. (2017). Decreases in self-reported sleep duration among U.S. adolescents 2009–2015 and association with new media screen time. *Sleep Medicine* , 39 , 47–53. <https://doi.org/10.1016/j.sleep.2017.08.013>

Twenge, J. M., Martin, G. N., & Campbell, W. K. (2018). Decreases in psychological well-being among American adolescents after 2012 and links to screen time during the rise of smartphone technology. *Emotion (Washington, D.C.)* , 18 (6), 765–780. <https://doi.org/10.1037/emo0000403>

U.S. Department of Health and Human Services. The Teen Brain: 6 Things To Know. The National Institute of Mental Health. Pub. No. OM 16-4307.

2011	<i>The National Institute of Mental Health.</i>	U.S. Department of Health and Human Services.	N/A
2017	<i>BioEssays</i>	Uddin, M.	Jansen, S. & Telzer, E.H.
2020	<i>Nature Reviews Neuroscience</i>	Ueda, H. R.	Ertürk, A., Chung, K., Gradinaru, V., Chédotal, A., Tomancak, P., & Keller, P. J.
2024	N/A	UNICEF	N/A
2022	<i>Social Media &amp; Society</i>	Unruh-Dawes	Smith, Marks, Wells

The Teen Brain: Still Under Construction

Adolescent depression linked to socioeconomic status? Molecular approaches for revealing premorbid risk factors

Tissue clearing and its applications in neuroscience

Youth, Protest and the Polycrisis

Differing Relationships Between Instagram and Twitter on Suicidal Thinking: The Importance of Interpersonal Factors

U.S. Department of Health and Human Services. The Teen Brain: Still Under Construction. The National Institute of Mental Health. Pub. No. 11-429. 2011.

Uddin, M., Jansen, S. & Telzer, E.H. (2017). Adolescent depression linked to socioeconomic status? Molecular approaches for revealing premorbid risk factors. *BioEssays*, 39, 1-7. <https://doi.org/10.1002/bies.201600194>

Ueda, H. R., Ertürk, A., Chung, K., Gradinaru, V., Chédotal, A., Tomancak, P., & Keller, P. J. (2020). Tissue clearing and its applications in neuroscience. *Nature Reviews. Neuroscience*, 21(2), 61–79. <https://doi.org/10.1038/s41583-019-0250-1>

UNICEF. (2024). Youth, Protest and the Polycrisis.

Unruh-Dawes, E. L., Smith, L. M., Krug Marks, C. P., & Wells, T. T. (2022). Differing Relationships Between Instagram and Twitter on Suicidal Thinking: The Importance of Interpersonal Factors. *Social Media + Society*, 8(1). <https://doi.org/10.1177/20563051221077027>

2024	<i>Technology, Mind, and Behavior</i>	Unruh-Dawes	Wagler, & Wells
2014	<i>Brain and Cognition</i>	Urošević, S.	Collins, P., Muetzel, R., Lim, K. O., & Luciana, M.
2023	<i>Journal of Cognitive Neuroscience</i>	Uy, J.P.	Fuligni, A.J., Eisenberger, N.I., Crone, E., Telzer, E.H., & Galván, A.
2021	<i>Computets in Human Behavior</i>	Vacchiano	Valente
2024	<i>Scientific Reports</i>	Vaid	Kroencke, Roshanaei, Talaifar, Hancock, Back, Gosling, Ram, & Harari

The effects of Instagram and Twitter usage on sad and anxious mood: A multimethod approach
Pubertal status associations with reward and threat sensitivities and subcortical brain volumes during adolescence
Corticostriatal connectivity during prosocial decision-making relates to giving behavior during adolescence
Did the screens win? An autoregressive model linking leisure, relatedness and mental health
Variation in social media sensitivity across people and contexts



Unruh-Dawes, E., Wagler, K., & Wells, T. T. (2024). The effects of Instagram and Twitter usage on sad and anxious mood: A multimethod approach. *Technology, Mind, and Behavior* , 5 (4). <https://doi.org/10.1037/tmb0000142>

Urošević, S., Collins, P., Muetzel, R., Lim, K. O., & Luciana, M. (2014). Pubertal status associations with reward and threat sensitivities and subcortical brain volumes during adolescence. *Brain and Cognition* , 89, 15–26. <https://doi.org/10.1016/j.bandc.2014.01.007>

Uy, J.P., Fuligni, A.J., Eisenberger, N.I., Crone, E., Telzer, E.H., & Galván, A. (2023). Corticostriatal connectivity during prosocial decision-making relates to giving behavior during adolescence. *Journal of Cognitive Neuroscience*, 35, 1432-1435. [https://doi.org/10.1162/jocn\\_a\\_02024](https://doi.org/10.1162/jocn_a_02024)

Vacchiano, M., & Valente, R. (2021). Did the screens win? An autoregressive model linking leisure, relatedness and mental health. *Computers in Human Behavior* , 120 , 106755. <https://doi.org/10.1016/j.chb.2021.106755>

Vaid, S. S., Kroencke, L., Roshanaei, M., Talaifar, S., Hancock, J. T., Back, M. D., Gosling, S. D., Ram, N., & Harari, G. M. (2024). Variation in social media sensitivity across people and contexts. *Scientific Reports* , 14 (1), 6571. <https://doi.org/10.1038/s41598-024-55064-y>

2017	<i>Computers in Human Behavior</i>	Valkenburg	Koutamanis, Vossen
2022	<i>Current opinion in psychology</i>	Valkenburg, P. M.	Meier, A. & Beyens, I.
2021	<i>Technology, Mind, and Behavior</i>	Valkenburg	Pouwels, Beyens, van Driel, & Keijsers
2021	<i>Journal of Communication</i>	Valkenburg	Beyens, Pouwels, van Driel, & Keijsers
2019	<i>Perspectives in Psychiatric Care</i>	Vally, Z.	D'Souza, C. G.

The concurrent and longitudinal relationships between adolescents' use of social network sites and their social self-esteem
Social media use and its impact on adolescent mental health: An umbrella review of the evidence
Adolescents' Social Media Experiences and Their Self-Esteem: A Person-Specific Susceptibility Perspective
Social Media Use and Adolescents' Self-Esteem: Heading for a Person-Specific Media Effects Paradigm
Abstinence from social media use, subjective well-being, stress, and loneliness

Valkenburg, P. M., Koutamanis, M., & Vossen, H. G. M. (2017). The concurrent and longitudinal relationships between adolescents' use of social network sites and their social self-esteem. *Computers in Human Behavior* , 76 (0747-5632), 35–41. <https://doi.org/10.1016/j.chb.2017.07.008>

Valkenburg, P. M., Meier, A., & Beyens, I. (2022). Social media use and its impact on adolescent mental health: An umbrella review of the evidence. *Current opinion in psychology* , 44, 58–68. <https://doi.org/10.1016/j.copsyc.2021.08.017>

Valkenburg, P. M., Pouwels, J. L., Beyens, I., van Driel, I. I., & Keijsers, L. (2021). Adolescents' social media experiences and their self-esteem: A person-specific susceptibility perspective. *Technology, Mind, and Behavior* , 2 (2). <https://doi.org/10.1037/tmb0000037>

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2014	<i>Aggressive Behavior</i>	Van Cleemput, K.	Vandebosch, H. & Pabian, S.
2024	<i>Interacting with Computers</i>	Van de Castele	Soenena, Ponnet, Perneel, Flamant, & Vansteenkiste
2016	<i>Computers in Human Behavior</i>	van den Eijnden, R. J. J. M.	Lemmens, J. S. & Valkenburg, P. M.
2016	<i>Computers in Human Behavior</i>	van den Eijnden, R. J. J. M.	Lemmens, J. S., & Valkenburg, P. M.
2016	<i>Computers in Human Behavior</i>	van den Eijnden	Lemmens, Valkenburg

Personal characteristics and contextual factors that determine “helping,” “joining in,” and “doing nothing” when witnessing cyberbullying

Unraveling the role of social media on adolescents' daily goals and affect: the interplay between basic psychological needs and screen time

The social media disorder scale

The Social Media Disorder Scale

The Social Media Disorder Scale

Van Cleemput, K., Vandebosch, H., & Pabian, S. (2014). Personal characteristics and contextual factors that determine “helping,” “joining in,” and “doing nothing” when witnessing cyberbullying. *Aggressive Behavior*, 40(5), 383–396.  
<https://doi.org/10.1002/ab.21534>

Van de Castele, M., Soenens, B., Ponnet, K., Perneel, S., Flamant, N., & Vansteenkiste, M. (2024). Unraveling the Role of Social Media on Adolescents’ Daily Goals and Affect: The Interplay Between Basic Psychological Needs and Screen Time. *Interacting with Computers*.  
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<https://doi.org/10.1016/j.chb.2016.03.038>

2018	<i>Journal of Behavioral Addictions</i>	van den Eijden	Koning, Doornwaard, van Gulp, ter Bogt
2017	<i>Cognitive, Affective &amp; Behavioral Neuroscience</i>	van der Meulen, M.	Veldhuis, J., Braams, B. R., Peters, S., Konijn, E. A., & Crone, E. A.
2011	<i>Developmental cognitive neuroscience</i>	van der Schaaf, M. E.	Warmerdam, E., Crone, E. A., & Cools, R.
2015	<i>Computers in Human Behavior</i>	van der Schuur, W. A.	Baumgartner, S. E., Sumter, S. R., & Valkenburg, P. M.
2019	<i>Computers in Human Behavior</i>	van der Velden	Settic, van der Meulend, & Das



The impact of heavy and disordered use of games and social media on adolescents' psychological, social, and school functioning

Brain activation upon ideal-body media exposure and peer feedback in late adolescent girls

Distinct linear and non-linear trajectories of reward and punishment reversal learning during development: relevance for dopamine's role in adolescent decision making

The consequences of media multitasking for youth: A review

Does social networking sites use predict mental health and sleep problems when prior problems and loneliness are taken into account? A populationbased prospective study

van den Eijnden, R., Koning, I., Doornwaard, S., van Gorp, F., & Ter Bogt, T. (2018). The impact of heavy and disordered use of games and social media on adolescents' psychological, social, and school functioning. *Journal of behavioral addictions* , 7 (3), 697–706. <https://doi.org/10.1556/2006.7.2018.65>

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2024	<i>Social Media &amp; Society</i>	van der Wal	Valkenburg, & van Driel
2018	<i>Social Cognitive Affective Neuroscience</i>	van Hoorn, J†.	McCormick, E.M†. & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	van Hoorn, J†.	McCormick, E.M†., Perino, M.T†., Rogers, C.R†. & Telzer, E.H.
2018	<i>Social Cognitive and Affective Neuroscience</i>	van Hoorn, J†.	McCormick, E.M†., Rogers, C.R†., Ivory, S†., & Telzer, E.H.
2019	<i>Neuroscience and Biobehavioral Reviews</i>	van Hoorn, J†.	Shablack, H†., Lindquist, K., & Telzer, E.H.

In Their Own Words: How Adolescents Use Social Media and How It Affects Them

Moderate social sensitivity in a risky context supports adaptive decision-making in adolescence: Evidence from brain and behavior

Differential behavioral and neural profiles in youth with conduct problems during risky decision-making

Differential effects of parent and peer presence on neural correlates of risk taking in adolescence

Incorporating the social context into neurocognitive models of adolescent decision-making: A neuroimaging meta-analysis

van der Wal, A., Valkenburg, P. M., & van Driel, I. I. (2024). In Their Own Words: How Adolescents Use Social Media and How It Affects Them. *Social Media + Society*, 10(2). <https://doi.org/10.1177/20563051241248591>

van Hoorn, J†., McCormick, E.M†., & Telzer, E.H. (2018). Moderate social sensitivity in a risky context supports adaptive decision-making in adolescence: Evidence from brain and behavior. *Social Cognitive Affective Neuroscience* , 13, 546-556.  
<https://doi.org/10.1093/scan/nsy016>

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<https://doi.org/10.1093/scan/nsy071>

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<https://doi.org/10.1016/j.neubiorev.2018.12.024>

2023	<i>Computers in Human Behavior</i>	van Oosten	Vandenbosch, Peter
2011	<i>Addiction</i>	Van Rooij, A. J.	Schoenmakers, T. M., Vermulst, A. A., Van den Eijnden, R. J., & Van de Mheen, D.
2021	<i>Addictive Behaviors Reports</i>	van Wezel, M. M.	Abrahamse, E. L., & Vanden Abeele, M. M. P.
2016	<i>Communication Research</i>	Vandenbosch	Eggermont
2018	<i>The Journal of Social Psychology</i>	Vanman, E. J.	Baker, R., & Tobin, S. J.

Predicting the use of visually oriented social media: The role of psychological well-being, body image concerns and sought appearance gratifications

Online video game addiction: identification of addicted adolescent gamers

Does a 7-day restriction on the use of social media improve cognitive functioning and emotional well-being? Results from a randomized controlled trial

The Interrelated Roles of Mass Media and Social Media in Adolescents' Development of an Objectified Self-Concept: A Longitudinal Study

The burden of online friends: The effects of giving up Facebook on stress and well-being

van Oosten, J. M. F., Vandenbosch, L., & Peter, J. (2023). Predicting the use of visually oriented social media: The role of psychological well-being, body image concerns and sought appearance gratifications. *Computers in Human Behavior* , 144 , 107730. <https://doi.org/10.1016/j.chb.2023.107730>

Van Rooij, A. J., Schoenmakers, T. M., Vermulst, A. A., Van den Eijnden, R. J., & Van de Mheen, D. (2011). Online video game addiction: identification of addicted adolescent gamers. *Addiction* (Abingdon, England), 106(1), 205–212. <https://doi.org/10.1111/j.1360-0443.2010.03104.x>

van Wezel, M. M. C., Abrahamse, E. L., & Vanden Abeele, M. M. P. (2021). Does a 7-day restriction on the use of social media improve cognitive functioning and emotional well-being? Results from a randomized controlled trial. *Addictive Behaviors Reports* , 14 , 100365. <https://doi.org/10.1016/j.abrep.2021.100365>

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2019	<i>Journal of Youth and Adolescence</i>	Vannucci	Ohannessian
2019	<i>Journal of Youth and Adolescence</i>	Vannucci	Ohannessian
2017	<i>Development and Psychopathology</i>	VanTieghem, M.	Gabard-Durnam, L., Goff, B., Flannery, J., Humphreys, K.L., Telzer, E.H., Caldera, C., Louie, J.Y., Shapiro, M., Bolger, N., & Tottenham, N.
2021	<i>Developmental Cognitive Neuroscience</i>	VanTieghem, M.	Korom, M., Flannery, J., Choy, T., Caldera, C., Humphreys, K.L., Gabard-Durnam, L., Goff, B., Gee, D.G., Telzer, E.H., Shapiro, M., Louie, J.Y., Fareri, D.S., Bolger, N., &
2016	<i>Computers in Human Behavior</i>	Vaterlaus J.	Barnett K, Roche C, Young J.

Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence

Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence

Positive valence bias and parent-child relationship security moderate the association between early institutional care and internalizing symptoms

Longitudinal changes in amygdala, hippocampus, and cortisol development following early caregiving adversity

"Snapchat is more personal": An exploratory study on Snapchat behaviors and young adult interpersonal relationships.

Vannucci, A., & McCauley Ohannessian, C. (2019). Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence. *Journal of Youth and Adolescence* , 48 (8), 1469–1493. <https://doi.org/10.1007/s10964-019-01060-9>

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VanTieghem, M., Gabard-Durnam, L., Goff, B., Flannery, J., Humphreys, K.L., Telzer, E.H., Caldera, C., Louie, J.Y., Shapiro, M., Bolger, N., & Tottenham, N. (2017). Positive valence bias and parent-child relationship security moderate the association between early institutional care and internalizing symptoms. *Development and Psychopathology* , 29, 519-533. <https://doi.org/10.1017/S0954579417000153>

VanTieghem, M., Korom, M., Flannery, J., Choy, T., Caldera, C., Humphreys, K.L., Gabard-Durnam, L., Goff, B., Gee, D.G., Telzer, E.H., Shapiro, M., Louie, J.Y., Fareri, D.S., Bolger, N., & Tottenham, N. (2021). Longitudinal changes in amygdala, hippocampus, and cortisol development following early caregiving adversity. *Developmental Cognitive Neuroscience* , 48, 100916 <https://doi.org/10.1016/j.dcn.2021.100916>

Vaterlaus, J. M., Barnett, K., Roche, C., & Young, J. A. (2016). “Snapchat is more personal”: An exploratory study on Snapchat behaviors and young adult interpersonal relationships. *Computers in Human Behavior* , 62 (62), 594–601. <https://doi.org/10.1016/j.chb.2016.04.029>

2013	<i>Trends in Pharmacological Sciences</i>	Vaughan, R. A.	Foster, J. D.
2024	<i>Body Image</i>	Vendemia	Fox
2021	<i>Body Image</i>	Vendemia	DeAndrea, Brathwaite
2024	<i>Social Media &amp; Society</i>	Verbeij	Beyens, Trilling, & Valkenburg
2021	<i>Computers in Human Behavior Reports</i>	Verbeij, T.	Pouwels, J. L., Beyens, I., & Valkenburg, P. M.

Mechanisms of dopamine transporter regulation in normal and disease states.

How social media images of sexualized young women elicit appearance commentary from their peers and reinforce objectification

Objectifying the body positive movement: The effects of sexualizing and digitally modifying body-positive images on Instagram

Happiness and Sadness in Adolescents' Instagram Direct Messaging: A Neural Topic Modeling Approach

The accuracy and validity of self-reported social media use measures among adolescents

Vaughan, R. A., & Foster, J. D. (2013). Mechanisms of dopamine transporter regulation in normal and disease states. *Trends in Pharmacological Sciences*, 34(9), 489–496. <https://doi.org/10.1016/j.tips.2013.07.005>

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2021	<i>Computers in Human Behavior</i>	Verduyn	Schulte-Strathaus, Kross, & Hülshager
2020	<i>Current opinion in neurobiology</i>	Verharen JPH.	Zhu Y, Lammel S.
2015	<i>Clinical Psychopharmacology and Neuroscience</i>	Verna, V.	N/A
2018	<i>Developmental Cognitive Neuroscience</i>	Vijayakumar, N.	Mills, K. L., Alexander-Bloch, A., Tamnes, C. K., & Whittle, S.
2018	<i>Neuroscience and biobehavioral reviews</i>	Vijayakumar, N.	Op de Macks, Z., Shirtcliff, E. A., & Pfeifer, J. H.

When do smartphones displace face-to-face interactions and what to do about it?

Aversion hot spots in the dopamine system.

Classic studies on the interaction of cocaine and the dopamine transporter

Structural brain development: A review of methodological approaches and best practices

Puberty and the human brain: Insights into adolescent development



Verduyn, P., Schulte-Strathaus, J. C. C., Kross, E., & Hülshager, U. R. (2021). When do smartphones displace face-to-face interactions and what to do about it? *Computers in Human Behavior*, 114, Article 106550. <https://doi.org/10.1016/j.chb.2020.106550>

Verharen, J. P. H., Zhu, Y., & Lammel, S. (2020). Aversion hot spots in the dopamine system. *Current opinion in neurobiology*, 64, 46–52. <https://doi.org/10.1016/j.conb.2020.02.002>

Verma V (2015). Classic studies on the interaction of cocaine and the dopamine transporter. *Clinical Psychopharmacology and Neuroscience*, 13 (3): 227-238.

Vijayakumar, N., Mills, K. L., Alexander-Bloch, A., Tamnes, C. K., & Whittle, S. (2018). Structural brain development: A review of methodological approaches and best practices. *Developmental Cognitive Neuroscience*, 33, 129–148. <https://doi.org/10.1016/j.dcn.2017.11.008>

Vijayakumar, N., Op de Macks, Z., Shirtcliff, E. A., & Pfeifer, J. H. (2018). Puberty and the human brain: Insights into adolescent development. *Neuroscience and biobehavioral reviews*, 92, 417–436. <https://doi.org/10.1016/j.neubiorev.2018.06.004>

2008	<i>Journal of Neurophysiology</i>	Vincent, J. L.	Kahn, I., Snyder, A. Z., Raichle, M. E., & Buckner, R. L.
2024	<i>Cyberpsychology</i>	Visier-Alfonso	Lopez-Gil, Mesas, Jimenez-Lopez, Cekrezi, & Martinez-Vizcaino
2010	<i>Journal of Psychiatry &amp; Neuroscience</i>	Vocks, S.	Busch, M., Grönemeyer, D., Schulte, D., Herpertz, S., & Suchan, B.
2022	<i>Pew Research</i>	Vogels, E.	Gelles-Watnick, R.
2019	<i>Physiol Rev. 99: 2115–2140</i>	Volkow N.D.	Michaelides M., Baler R.

Evidence for a frontoparietal control system revealed by intrinsic functional connectivity

Does Socioeconomic Status Moderate the Association Between Screen Time, Mobile Phone Use, Social Networks, Messaging Applications, and Mental Health Among adolescents?

Neural correlates of viewing photographs of one's own body and another woman's body in anorexia and bulimia nervosa: an fMRI study

Teens, Social Media and Technology 2022, Pew Research Center

The Neuroscience of Drug Reward and Addiction.

Vincent, J. L., Kahn, I., Snyder, A. Z., Raichle, M. E., & Buckner, R. L. (2008). Evidence for a frontoparietal control system revealed by intrinsic functional connectivity. *Journal of Neurophysiology* , 100(6), 3328–3342. <https://doi.org/10.1152/jn.90355.2008>

Visier-Alfonso, M.E., López-Gil, J.F., Mesas, A. E., Jiménez-López, E., Cekrezi, S. & Martínez-Vizcaíno, V. (2024). Does Socioeconomic Status Moderate the Association Between Screen Time, Mobile Phone Use, Social Networks, Messaging Applications, and Mental Health Among Adolescents? *Cyberpsychology Behavior and Social Networking* . <https://doi.org/10.1089/cyber.2024.0064>

Vocks, S., Busch, M., Grönemeyer, D., Schulte, D., Herpertz, S., & Suchan, B. (2010). Neural correlates of viewing photographs of one's own body and another woman's body in anorexia and bulimia nervosa: an fMRI study. *Journal of Psychiatry & Neuroscience* , 35(3), 163–176. <https://doi.org/10.1503/jpn.090048>

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Volkow N.D., Michaelides M., Baler R. (2019). The Neuroscience of Drug Reward and Addiction. *Physiol Rev.* 99: 2115–2140. <https://doi.org/10.1152/physrev.00014.2018>

2016	<i>The New England Journal of Medicine</i>	Volkow, N.D.	Koob, G.F., McLellan, T.
1996	<i>The Journal of Nuclear Medicine</i>	Volkow, N. D.	Fowler, J. S., Gatley, S. J., Logan, J., Wang, G.-J., Ding, Y.-S., & Dewey, S.
2012	<i>Annual review of pharmacology and toxicology</i>	Volkow, N. D.	Wang, G. J., Fowler, J. S., & Tomasi, D.
2011	<i>Proceedings of the National Academy of Sciences</i>	Volkow, N. D.	Wang, G.-J., Fowler, J. S., Tomasi, D., & Telang, F.
2001	<i>Dialogues in Clinical Neuroscience</i>	Vollenweider, F. X.	N/A

Neurobiologic advances from the brain  
disease model of addiction

PET Evaluation of the Dopamine System of  
the Human Brain

Addiction circuitry in the human brain

Addiction: Beyond dopamine reward  
circuitry.

Brain mechanisms of hallucinogens and  
entactogens.

Volkow ND, Koob GF, McLellan T (2016). Neurobiologic advances from the brain disease model of addiction. *The New England Journal of Medicine*, 374 (4), 363-371.

Volkow, N. D., Fowler, J. S., Gatley, S. J., Logan, J., Wang, G.-J., Ding, Y.-S., & Dewey, S. (1996). PET Evaluation of the Dopamine System of the Human Brain, *The Journal of Nuclear Medicine*, 37(7), 1242-1256.

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Volkow, N. D., Wang, G.-J., Fowler, J. S., Tomasi, D., & Telang, F. (2011). Addiction: Beyond dopamine reward circuitry. *Proceedings of the National Academy of Sciences*, 108(37), 15037–15042. <https://doi.org/10.1073/pnas.1010654108>

Vollenweider, F. X. (2001). Brain mechanisms of hallucinogens and entactogens. *Dialogues in Clinical Neuroscience*, 3(4), 265–279. <https://doi.org/10.31887/DCNS.2001.3.4/fxvollenweider>

2020	<i>Developmental Psychology</i>	Vollet, J. W.	George, M. J., Burnell, K., & Underwood, M. K.
2023	<i>R. Soc. Open Sci.</i>	Vuorre, M	Przybylski, AK.
2023	<i>Royal Society Open Science</i>	Vuorre	Przybylski
2021	<i>Clinical Psychological Science</i>	Vuorre	Orben, & Przybylski
2010	<i>Brain and Cognition.72:146-159</i>	Wahlstrom, D.	Collins, P., White, T., & Luciana, M.



Exploring texting messaging as a platform  
for peer socialization of social aggression

Estimating the association between Facebook  
adoption and well-being in 72 countries

Estimating the association between Facebook  
adoption and well-being in 72 countries

There Is No Evidence That Associations  
Between Adolescents' Digital Technology  
Engagement and Mental Health Problems  
Have Increased

Developmental changes in dopamine  
neurotransmission in adolescence:  
Behavioral implications and issues in  
assessment

Vollet, J. W., George, M. J., Burnell, K., & Underwood, M. K. (2020). Exploring texting messaging as a platform for peer socialization of social aggression. *Developmental Psychology*, 56, 138-152.

Vuorre, M, Przybylski, AK. (2023). Estimating the association between Facebook adoption and well-being in 72 countries. *R. Soc. Open Sci.*, 10: 221451.

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<https://doi.org/10.1098/rsos.221451>

Vuorre, M., Orben, A., & Przybylski, A. K. (2021). There Is No Evidence That Associations Between Adolescents' Digital Technology Engagement and Mental Health Problems Have Increased. *Clinical Psychological Science*, 9(5), 823-835. <https://doi.org/10.1177/2167702621994549>

Wahlstrom, D., Collins, P., White, T., & Luciana, M. (2010). Developmental changes in dopamine neurotransmission in adolescence: Behavioral implications and issues in assessment. *Brain and Cognition*.72:146-159

2019	<i>Current Psychology</i>	Walker	Krumhuber, Furnham
2015	<i>Journal of Adolescent Health</i>	Walker	Thornton, de Choudhury, Teevan, Bulik, Levinson, Zerwas
2013	<i>Research in Learning Technology</i>	Walker, R.	N/A
2021	<i>Personality &amp; Individual Differences</i>	Wallace	Buill
2024	<i>PLOS One</i>	Walsh	Regan, Okabe-Miyamoto, & Lyubomirsky

Effects of social media use on desire for cosmetic surgery among young women

Facebook Use and Disordered Eating in College-Aged Women

““I don’t think I would be where I am right now””. Pupil perspectives on using mobile devices for learning

Hiding Instagram Likes: Effects on negative affect and loneliness

Does putting down your smartphone make you happier? the effects of restricting digital media on well-being

Walker, C. E., Krumhuber, E. G., Dayan, S., & Furnham, A. (2019). Effects of Social Media Use on Desire for Cosmetic Surgery among Young Women. *Current Psychology* , 40 (7), 3355–3364. <https://doi.org/10.1007/s12144-019-00282-1>

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Wallace, E., & Buil, I. (2021). Hiding Instagram likes: Effects on negative affect and loneliness. *Personality and Individual Differences*, 170, Article 110509. <https://doi.org/10.1016/j.paid.2020.110509>

Walsh, L. C., Regan, A., Karynna Okabe-Miyamoto, & Lyubomirsky, S. (2024). Does putting down your smartphone make you happier? the effects of restricting digital media on well-being. *PLoS ONE* , 19 (10), e0306910–e0306910. <https://doi.org/10.1371/journal.pone.0306910>

2024	<i>PloS one</i>	Walsh, L. C.	Regan, A., Okabe-Miyamoto, K., & Lyubomirsky, S.
2022	<i>Affective Science</i>	Walsh	Regan, Twenge, & Lyubomirsky
2017	<i>Frontiers in Psychology</i>	Wang JL.	Wang HZ, Gaskin J, Hawk S.
2019	<i>International Journal of Mental Health and Addiction</i>	Wang, J.	Wang, P., Yang, X., Zhang, G., Wang, X., Zhao, F., Zhao, M., & Lei, L.
2023	<i>Body Image</i>	Wang	Wang, Geng, Wang, Lei

Does putting down your smartphone make you happier? the effects of restricting digital media on well-being
What is the Optimal Way to Give Thanks? Comparing the Effects of Gratitude Expressed Privately, One-to-One via Text, or Publicly on Social Media
The Mediating Roles of Upward Social Comparison and Self-esteem and the Moderating Role of Social Comparison Orientation in the Association between Social Networking Site Usage and Subjective Well-Being.
Fear of missing out and procrastination as mediators between sensation seeking and adolescent smartphone addiction
Body talk on social networking sites and restrained eating among adolescents: A test of a multiple mediation model

Walsh, L. C., Regan, A., Okabe-Miyamoto, K., & Lyubomirsky, S. (2024). Does putting down your smartphone make you happier? the effects of restricting digital media on well-being. *PloS one* , 19 (10), e0306910. <https://doi.org/10.1371/journal.pone.0306910>

Walsh, L. C., Regan, A., Twenge, J. M., & Lyubomirsky, S. (2022). What is the Optimal Way to Give Thanks? Comparing the Effects of Gratitude Expressed Privately, One-to-One via Text, or Publicly on Social Media. *Affective Science* , 4 , 1–10. <https://doi.org/10.1007/s42761-022-00150-5>

Wang JL, Wang HZ, Gaskin J, Hawk S. (2017). The Mediating Roles of Upward Social Comparison and Self-esteem and the Moderating Role of Social Comparison Orientation in the Association between Social Networking Site Usage and Subjective Well-Being. *Frontiers in Psychology*.

Wang, J., Wang, P., Yang, X., Zhang, G., Wang, X., Zhao, F., Zhao, M., & Lei, L. (2019). Fear of missing out and procrastination as mediators between sensation seeking and adolescent smartphone addiction. *International Journal of Mental Health and Addiction* , 17(4), 1049–1062. <https://doi.org/10.1007/s11469-019-00106-0>

Wang, Y., Wang, J., Geng, J., Wang, H., & Lei, L. (2023). Body talk on social networking sites and restrained eating among adolescents: A test of a multiple mediation model. *Body Image* , 45 , 145–152. <https://doi.org/10.1016/j.bodyim.2023.03.002>



2020	<i>Computers in Human Behavior</i>	Wartberg	Kriston, Thomasius
2017	<i>Annual Review of Neuroscience</i>	Watabe-Uchida, M.	Eshel, N., & Uchida, N.
2024	<i>Harvard Health.</i>	Watson, S.	N/A
2024	<i>Computers in Human Behavior</i>	Wei, Z.	Guo, Y., Tsang, M. H. L., Montag, C., Becker, B., & Kou, J.
2017	<i>Frontiers in Psychiatry</i>	Weinstein, A. M.	N/A

Internet gaming disorder and problematic social media use in a representative sample of German adolescents: Prevalence estimates, comorbid depressive symptoms and related psychosocial aspects

Neural Circuitry of Reward Prediction Error.

Dopamine: The pathway to pleasure.

Social media distractions alter behavioral and neural patterns to global-local attention: The moderation effect of fear of missing out

An update overview on brain imaging studies of internet gaming disorder

Wartberg, L., Kriston, L., & Thomasius, R. (2020). Internet gaming disorder and problematic social media use in a representative sample of German adolescents: Prevalence estimates, comorbid depressive symptoms and related psychosocial aspects. *Computers in Human Behavior*, 103, 31–36. <https://doi.org/10.1016/j.chb.2019.09.014>

Watabe-Uchida, M., Eshel, N., & Uchida, N. (2017). Neural Circuitry of Reward Prediction Error. *Annual Review of Neuroscience*, 40(Volume 40, 2017), 373–394. <https://doi.org/10.1146/annurev-neuro-072116-031109>

Watson, S. (2024). Dopamine: The pathway to pleasure. Harvard Health. <https://www.health.harvard.edu/mind-and-mood/dopamine-the-pathway-to-pleasure>

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Weinstein, A. M. (2017a). An update overview on brain imaging studies of internet gaming disorder. *Frontiers in Psychiatry*, 8, 185. <https://doi.org/10.3389/fpsy.2017.00185>

2020	<i>Dialogues in clinical neuroscience</i>	Weinstein, A.	Lejoyeux, M.
2017	<i>Computers in Human Behavior</i>	Weinstein	N/A
2017	<i>Computers in Human Behavior</i>	Weinstein, E.	N/A
2018	<i>New Media &amp; Society</i>	Weinstein	N/A
2016	<i>Social Cognitive Affective Neuroscience</i>	Welborn, L.B.	Lieberman, M.D., Goldenberg, D., Fuligni, A.J., Gálvan, A., & Telzer, E.H.

Neurobiological mechanisms underlying internet gaming disorder

Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention

Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention

The social media see-saw: Positive and negative influences on adolescents' affective well-being

Neural mechanisms of social influence during adolescence

Weinstein, A., & Lejoyeux, M. (2020). Neurobiological mechanisms underlying internet gaming disorder. *Dialogues in clinical neuroscience*, 22(2), 113–126. <https://doi.org/10.31887/DCNS.2020.22.2/aweinstein>

Weinstein, E. (2017). Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention. *Computers in Human Behavior*, 76, 396–405. <https://doi.org/10.1016/j.chb.2017.07.038>

Weinstein, E. (2017b). Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention. *Computers in Human Behavior*, 76, 396–405. <https://doi.org/10.1016/j.chb.2017.07.038>

Weinstein, E. (2018). The social media see-saw: Positive and negative influences on adolescents' affective well-being. *New Media & Society*, 20(10), 3597–3623. <https://doi.org/10.1177/1461444818755634>

Welborn, L.B., Lieberman, M.D., Goldenberg, D., Fuligni, A.J., Gálvan, A., & Telzer, E.H. (2016). Neural mechanisms of social influence during adolescence. *Social Cognitive Affective Neuroscience*, 11, 100–109. <https://doi.org/10.1093/scan/nsv095>

2017	<i>Journal of Medical Internet Research</i>	Wen, C. K. F.	Schneider, S., Stone, A. A., & Spruijt-Metz, D.
1996	<i>Annual Reviews Neuroscience</i>	White, J.	N/A
2024	<i>Canadian Journal of Behavioural Science</i>	White-Gosselin	Poulin
2022	<i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i>	Whittle, S.	Pozzi, E., Rakesh, D., Kim, J. M., Yap, M. B., Schwartz, O. S., ... & Vijayakumar, N.
2018	<i>Psychoneuroendocrinology</i>	Wierenga, L. M.	Bos, M. G. N., Schreuders, E., Vd Kamp, F., Peper, J. S., Tamnes, C. K., & Crone, E. A.

Compliance with mobile ecological momentary assessment protocols in children and adolescents: A systematic review and meta-analysis

SYNAPTIC REGULATION OF MESOCORTICOLIMBIC DOPAMINE NEURONS

Associations Between Young Adults' Social Media Addiction, Relationship Quality With Parents, and Internalizing Problems: A Path Analysis Model

Harsh and inconsistent parental discipline is associated with altered cortical development in children

Unraveling age, puberty and testosterone effects on subcortical brain development across adolescence



Wen, C. K. F., Schneider, S., Stone, A. A., & Spruijt-Metz, D. (2017). Compliance with mobile ecological momentary assessment protocols in children and adolescents: A systematic review and meta-analysis. *Journal of Medical Internet Research* , 19(4), e132. <https://doi.org/10.2196/jmir.6641>

White, J. (1996). SYNAPTIC REGULATION OF MESOCORTICOLIMBIC DOPAMINE NEURONS. *Annual Reviews Neuroscience*, 19:405-36.

White-Gosselin, C.-É., & Poulin, F. (2024). Associations between young adults' social media addiction, relationship quality with parents, and internalizing problems: A path analysis model. *Canadian Journal of Behavioural Science / Revue canadienne des sciences du comportement*, 56(1), 61–69. <https://doi.org/10.1037/cbs0000326>

Whittle, S., Pozzi, E., Rakesh, D., Kim, J. M., Yap, M. B., Schwartz, O. S., ... & Vijayakumar, N. (2022). Harsh and inconsistent parental discipline is associated with altered cortical development in children. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 7(10), 989-997.

Wierenga, L. M., Bos, M. G. N., Schreuders, E., Vd Kamp, F., Peper, J. S., Tamnes, C. K., & Crone, E. A. (2018). Unraveling age, puberty and testosterone effects on subcortical brain development across adolescence. *Psychoneuroendocrinology*, 91, 105–114. <https://doi.org/10.1016/j.psyneuen.2018.02.034>

2022	N/A	Wike, S. P.	N/A
2019	<i>International Journal of Eating Disorders</i>	Wilksch	O'Shea, Ho, Byrne, Wade
2020	<i>The International journal of eating disorders</i>	Wilksch, S. M.	O'Shea, A., Ho, P., Byrne, S., & Wade, T. D.
2016	<i>Journal of Abnormal Child Psychology</i>	Will, G.-J.	van Lier, P. A. C., Crone, E. A., & Güroğlu, B.
2000	<i>Journal of Personality and Social Psychology</i>	Williams, K. D.	Cheung, C. K. T. & Choi, W.

A Mixed Methods Study on the Student Perspective of Having Individual Access to Smartphones at School [Doctoral dissertation]

The relationship between social media use and disordered eating in young adolescents

The relationship between social media use and disordered eating in young adolescents.

Chronic Childhood Peer Rejection is Associated with Heightened Neural Responses to Social Exclusion During Adolescence

Cyberostracism: Effects of being ignored over the Internet

Wike, S. P. (2022). A Mixed Methods Study on the Student Perspective of Having Individual Access to Smartphones at School [Doctoral dissertation]. University of Florida.

Wilksch, S. M., O'Shea, A., Ho, P., Byrne, S., & Wade, T. D. (2019). The relationship between social media use and disordered eating in young adolescents. *International Journal of Eating Disorders* , 53 (1). <https://onlinelibrary.wiley.com/doi/abs/10.1002/eat.23198>

Wilksch, S. M., O'Shea, A., Ho, P., Byrne, S., & Wade, T. D. (2020). The relationship between social media use and disordered eating in young adolescents. *The International journal of eating disorders* , 53 (1), 96–106. <https://doi.org/10.1002/eat.23198>

Will, G.-J., van Lier, P. A. C., Crone, E. A., & Güroğlu, B. (2016). Chronic Childhood Peer Rejection is Associated with Heightened Neural Responses to Social Exclusion During Adolescence. *Journal of Abnormal Child Psychology* , 44(1), 43–55. <https://doi.org/10.1007/s10802-015-9983-0>

Williams, K. D., Cheung, C. K. T., & Choi, W. (2000). Cyberostracism: Effects of being ignored over the Internet. *Journal of Personality and Social Psychology* , 79(5), 748–762. <https://doi.org/10.1037/0022-3514.79.5.748>

2020	<i>JMRI Dermatology</i>	Willoughby	Myrick, Gibbons, & Kogan
2022	<i>JCPP Advances</i>	Winstone	Mars, Haworth, Heron, & Kidger
2021	<i>Media Psychology</i>	Wiradhany, W.	Koerts, J.
1989	<i>BRAIN DOPAMINE AND REWARD.</i>	Wise, R. A.	N/A
2004	<i>Nature Reviews Neuroscience</i>	Wise, R. A.	N/A

Associations Between Emotions, Social Media Use, and Sun Exposure Among Young Women: Ecological Momentary Assessment Study

Adolescent social media user types and their mental health and well-being: Results from a longitudinal survey of 13–14-year-olds in the United Kingdom

Everyday functioning-related cognitive correlates of media multitasking: a mini meta-analysis

BRAIN DOPAMINE AND REWARD.

Dopamine, learning and motivation.

Willoughby, J. F., Myrick, J. G., Gibbons, S., & Kogan, C. (2020). Associations Between Emotions, Social Media Use, and Sun Exposure Among Young Women: Ecological Momentary Assessment Study. *JMIR Dermatology* , 3 (1), e18371.  
<https://doi.org/10.2196/18371>

Winstone, L., Mars, B., Haworth, C. M. A., Heron, J., & Kidger, J. (2022). Adolescent social media user types and their mental health and well-being: Results from a longitudinal survey of 13–14-year-olds in the United Kingdom. *JCPP Advances* , 2 (2).  
<https://doi.org/10.1002/jcv2.12071>

Wiradhany, W., & Koerts, J. (2021). Everyday functioning-related cognitive correlates of media multitasking: a mini meta-analysis. *Media Psychology* , 24(2), 276–303.  
<https://doi.org/10.1080/15213269.2019.1685393>

Wise, R. A. (1989). BRAIN DOPAMINE AND REWARD.

Wise, R. A. (2004). Dopamine, learning and motivation. *Nature Reviews Neuroscience*, 5(6), 483–494. <https://doi.org/10.1038/nrn1406>

2020	<i>Annual review of psychology</i>	Wise, R. A.	Robble, M. A.
2019	<i>Science Advances</i>	Witkiewitz, K.	Litten, R. Z., & Leggio, L.
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Wohn	Carr, Hayes
2024	<i>Psychology of Popular Media</i>	Wolfe	Yakabovits
2005	<i>Nicotine: From molecular mechanisms to behaviour. Current Opinion in Pharmacology, 5(1), 53–59.</i> <a href="https://doi.org/10.1">https://doi.org/10.1</a>	Wonnacott, S.	Sidhpura, N., & Balfour, D. J.



Dopamine and Addiction. Annual review of psychology

Advances in the science and treatment of alcohol use disorder.

How Affective Is a ‘‘Like’’?: The Effect of Paralinguistic Digital Affordances on Perceived Social Support

I’ll See Your Beautified Photo and Raise You One: An Experimental Investigation of the Effect of Edited Social Media Photo Exposure

Nicotine: From molecular mechanisms to behaviour.

Wise, R. A., & Robble, M. A. (2020). Dopamine and Addiction. *Annual review of psychology*, 71, 79–106. <https://doi.org/10.1146/annurev-psych-010418-103337>

Witkiewitz, K., Litten, R. Z., & Leggio, L. (2019). Advances in the science and treatment of alcohol use disorder. *Science Advances*, 5(9), eaax4043. <https://doi.org/10.1126/sciadv.aax4043>

Wohn, D. Y., Carr, C. T., & Hayes, R. A. (2016). How Affective Is a “Like”? The Effect of Paralinguistic Digital Affordances on Perceived Social Support. *Cyberpsychology, Behavior, and Social Networking*, 19(9), 562–566. <https://doi.org/10.1089/cyber.2016.0162>

Wolfe, W. L., & Yakabovits, L. (2024). I’ll see your beautified photo and raise you one: An experimental investigation of the effect of edited social media photo exposure. *Psychology of Popular Media*, 13(2), 249–255. <https://doi.org/10.1037/ppm0000443>

Wonnacott, S., Sidhpura, N., & Balfour, D. J. (2005). Nicotine: From molecular mechanisms to behaviour. *Current Opinion in Pharmacology*, 5(1), 53–59. <https://doi.org/10.1016/j.coph.2004.12.002>

2025	<i>Journal of Technology in Behavioral Science</i>	Woodward	McGettrick, Dick, Ali, Teeters
2018	<i>Journal of the Association for Information Systems</i>	Wright, M.	N/A
2022	<i>Body Image</i>	Wu	Harford, Petersen, Prichard
2021	<i>Psychology of Popular Media</i>	Wu	Wang, Hong, S., Hong, M., Pei, & Su
2023	<i>JAMA Netw Open</i>	Xiang, A.H.	Martinez, M.P., Chow, T., et. al.

Time Spent on Social Media and Associations with Mental Health in Young Adults: Examining TikTok, Twitter, Instagram, Facebook, Youtube, Snapchat, and Reddit

Cyberbullying Victimization through Social Networking Sites and Adjustment Difficulties: The Role of Parental Mediation

“Eat clean, train mean, get lean”: Body image and health behaviours of women who engage with fitspiration and clean eating imagery on Instagram

The Relationship Between Social Short-Form Videos and Youth’s Well-Being: It Depends on Usage Types and Content Categories

Depression and Anxiety Among US Children and Young Adults. JAMA Netw Open , 7(10).  
<https://doi:10.1001/jamanetworkopen.2024.36906>

Woodward, M. J., McGettrick, C. R., Dick, O. G., Ali, M., & Teeters, J. B. (2025). Time Spent on Social Media and Associations with Mental Health in Young Adults: Examining TikTok, Twitter, Instagram, Facebook, Youtube, Snapchat, and Reddit. *Journal of Technology in Behavioral Science* . <https://doi.org/10.1007/s41347-024-00474-y>

Wright, M. (2018). Cyberbullying Victimization through Social Networking Sites and Adjustment Difficulties: The Role of Parental Mediation. *Journal of the Association for Information Systems* , 19(2), 113–123. <https://doi.org/10.17705/jais1.00486>

Wu, Y., Harford, J., Petersen, J., & Prichard, I. (2022). “Eat clean, train mean, get lean”: Body image and health behaviours of women who engage with fitspiration and clean eating imagery on Instagram. *Body Image* , 42 , 25–31. <https://doi.org/10.1016/j.bodyim.2022.05.003>

Wu, Y., Wang, X., Hong, S., Hong, M., Pei, M., & Su, Y. (2021). The relationship between social short-form videos and youth’s well-being: It depends on usage types and content categories. *Psychology of Popular Media*, 10(4), 467–477. <https://doi.org/10.1037/ppm0000292>

Xiang, A.H., Martinez, M.P., Chow, T., et. al. (2024). Depression and Anxiety Among US Children and Young Adults. *JAMA Netw Open* , 7(10). <https://doi:10.1001/jamanetworkopen.2024.36906>

2024	<i>Frontiers in Human Neuroscience</i>	Yan, T.	Su, C., Xue, W., Hu, Y., & Zhou, H.
2021	<i>Clin Child Fam Psychol Rev</i>	Yang, C. C.	Holden, S. M. and Ariati, J.
2019	<i>Addiction Research &amp; Theory</i>	Yang	Carter, Webb Holden
2020	<i>Children</i>	Yang	Wang, Tng, Yang
2016	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Yang, Y. C.	Boen, C., Gerken, K., Li, T., Schorpp, K., & Harris, K. M.

Mobile phone short video use negatively impacts attention functions: an EEG study
"Social Media and Psychological Well-Being Among Youth: The Multidimensional Model of Social Media Use."
Developmentally salient psychosocial characteristics, rumination, and compulsive social media use during the transition to college
Effects of Social Media and Smartphone Use on Body Esteem in Female Adolescents: Testing a Cognitive and Affective Model
Social relationships and physiological determinants of longevity across the human life span

Yan, T., Su, C., Xue, W., Hu, Y., & Zhou, H. (2024). Mobile phone short video use negatively impacts attention functions: an EEG study. *Frontiers in Human Neuroscience* , 18, 1383913. <https://doi.org/10.3389/fnhum.2024.1383913>

Yang, C. C., Holden, S. M. and Ariati, J. (2021). "Social Media and Psychological Well-Being Among Youth: The Multidimensional Model of Social Media Use." *Clin Child Fam Psychol Rev* 24(3): 631-650.

Yang, C. chen, Carter, M. D. K., Webb, J. J., & Holden, S. M. (2019). Developmentally salient psychosocial characteristics, rumination, and compulsive social media use during the transition to college. *Addiction Research & Theory* , 28 (5), 433–442. <https://doi.org/10.1080/16066359.2019.1682137>

Yang, H., Wang, J. J., Tng, G. Y. Q., & Yang, S. (2020). Effects of Social Media and Smartphone Use on Body Esteem in Female Adolescents: Testing a Cognitive and Affective Model. *Children* , 7 (9), 148. <https://doi.org/10.3390/children7090148>

Yang, Y. C., Boen, C., Gerken, K., Li, T., Schorpp, K., & Harris, K. M. (2016). Social relationships and physiological determinants of longevity across the human life span. *Proceedings of the National Academy of Sciences of the United States of America*, 113(3), 578–583. <https://doi.org/10.1073/pnas.1511085112>



2024	<i>Body Image</i>	Yao	Niu, Shin
2017	<i>Adolescent Research Review</i>	Yau	Reich
2019	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Yau, J. C.	Reich, S. M.
2018	<i>Journal of Youth and Adolescence</i>	Yuen, C.X†.	Fuligni, A.J., Gonzales, N.A., & Telzer, E.H.
2024	<i>National Center for Health Statistics</i>	Zablotsky B	Arockiaraj B, Haile G, Ng AE.

A longitudinal study on the relationships between social media ideals exposure and thin-ideal internalization, social appearance anxiety, and cosmetic surgery consideration

Are the Qualities of Adolescents' Offline Friendships Present in Digital Interactions?

"It's Just a Lot of Work": Adolescents' Self-Presentation Norms and Practices on Facebook and Instagram

Family first?: The costs and benefits of family centrality for adolescents with high-conflict families

Daily screen time among teenagers: United States, July 2021–December 2023. NCHS Data Brief, no 513.

Yao, L., Niu, G., & Sun, X. (2024). A longitudinal study on the relationships between social media ideals exposure and thin-ideal internalization, social appearance anxiety, and cosmetic surgery consideration. *Body Image* , 51 , 101813.  
<https://doi.org/10.1016/j.bodyim.2024.101813>

Yau, J. C., & Reich, S. M. (2017). Are the Qualities of Adolescents' Offline Friendships Present in Digital Interactions? *Adolescent Research Review* , 3 (3), 339–355.  
<https://doi.org/10.1007/s40894-017-0059-y>

Yau, J. C., & Reich, S. M. (2019). “It’s Just a Lot of Work”: Adolescents’ Self-Presentation Norms and Practices on Facebook and Instagram. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence* , 29(1), 196–209.  
<https://doi.org/10.1111/jora.12376>

Yuen, C.X†., Fuligni, A.J., Gonzales, N.A., & Telzer, E.H. (2018). Family first?: The costs and benefits of family centrality for adolescents with high-conflict families. *Journal of Youth and Adolescence* , 47, 245-259. <https://doi.org/10.1007/s10964-017-0692-6>

Zablotsky B, Arockiaraj B, Haile G, Ng AE. (2024). Daily screen time among teenagers: United States, July 2021–December 2023. NCHS Data Brief, no 513. Hyattsville, MD: National Center for Health Statistics. DOI: <https://dx.doi.org/10.15620/cdc/168509>

2018	<i>Computers in Human</i>	Zell	Moeller
2025	<i>International Journal of Environmental Research and Public Health</i>	Zewude, G. T.	Natnael, T., Woreta, G. T., & Bezie, A. E.
2019	<i>In Telematics and Informatics</i>	Zhang, X.	Wu, Y., Liu, S.
2021	<i>JMIR Ment Health</i>	Zheng, K.	et. al.,
2021	<i>Nature Communications</i>	Zhou, F.	Zhao, W., Qi, Z., Geng, Y., Yao, S., Kendrick, K. M., Wager, T. D., & Becker, B.

Are you happy for me ... on Facebook? The potential importance of “likes” and comments\*

A Multi- Mediation Analysis on the Impact of Social Media and Internet Addiction on University and High School Students’ Mental Health Through Social Capital and Mindfulness.

Exploring short-form video application addiction: Socio-technical and attachment perspectives

Developmental Assets of Adolescents and Young Adults With Chronic Illness and Comorbid Depression: Qualitative Study Using YouTube.

A distributed fMRI-based signature for the subjective experience of fear.

Zell, A. L., & Moeller, L. (2018). Are you happy for me ... on Facebook? The potential importance of “likes” and comments. *Computers in Human Behavior* , 78 , 26–33. <https://doi.org/10.1016/j.chb.2017.08.050>

Zewude, G. T., Natnael, T., Woreta, G. T., & Bezie, A. E. (2025). A Multi- Mediation Analysis on the Impact of Social Media and Internet Addiction on University and High School Students’ Mental Health Through Social Capital and Mindfulness. *International Journal of Environmental Research and Public Health*, 22(1), 57. <https://doi.org/10.3390/ijerph22010057>

Zhang, X., Wu, Y., & Liu, S. (2019). Exploring short-form video application addiction: Socio-technical and attachment perspectives. In *Telematics and Informatics* (Vol. 42, p. 101243). Elsevier BV. <https://doi.org/10.1016/j.tele.2019.101243>

Zheng, K., et. al., (2021) Developmental Assets of Adolescents and Young Adults With Chronic Illness and Comorbid Depression: Qualitative Study Using YouTube. *JMIR Ment Health* , 16, 8(2), e23960. <https://doi: 10.2196/23960>

Zhou, F., Zhao, W., Qi, Z., Geng, Y., Yao, S., Kendrick, K. M., Wager, T. D., & Becker, B. (2021). A distributed fMRI-based signature for the subjective experience of fear. *Nature Communications*, 12(1), 6643. <https://doi.org/10.1038/s41467-021-26977-3>

2020	<i>Psychiatric Quarterly</i>	Zhou, X	Rau, P.-L. P., Yang, C.-L.,
2020	<i>Frontiers in Human Neuroscience</i>	Zickerick, B.	Thönes, S., Kobald, S. O., Wascher, E., Schneider, D., & Küper, K.
2020	<i>Psychology of Popular Media</i>	Zimmer-Gembeck	Hawes, Pariz
2023	<i>Computers in Human Behavior</i>	Zimmer-Gembeck	Hawes, Scott, Campbell, Webb
2024	<i>Computers in Human Behavior</i>	Zimmer-Gembeck	Scott, Hawes

Cognitive Behavioral Therapy-Based Short-Term Abstinence Intervention for Problematic Social Media Use: Improved Well-Being and Underlying Mechanisms

Differential effects of interruptions and distractions on working memory processes in an ERP study

A Closer Look at Appearance and Social Media: Measuring Activity, Self-Presentation, and Social Comparison and Their Associations With Emotional Adjustment

Adolescents' online appearance preoccupation: A 5-year longitudinal study of the influence of peers, parents, beliefs, and disordered eating

Appearance-related teasing, rejection sensitivity, acceptance, and coping as risks and resources associated with online appearance preoccupation over one year



Zhou, X., Rau, P.-L. P., Yang, C.-L., & Zhou, X. (2020). Cognitive Behavioral Therapy-Based Short-Term Abstinence Intervention for Problematic Social Media Use: Improved Well-Being and Underlying Mechanisms. *Psychiatric Quarterly* , 92 (2). <https://doi.org/10.1007/s11126-020-09852-0>

Zickerick, B., Thönes, S., Kobald, S. O., Wascher, E., Schneider, D., & Küper, K. (2020). Differential effects of interruptions and distractions on working memory processes in an ERP study. *Frontiers in Human Neuroscience* , 14, 84. <https://doi.org/10.3389/fnhum.2020.00084>

Zimmer-Gembeck, M. J., Hawes, T., & Pariz, J. (2020). A closer look at appearance and social media: Measuring activity, self-presentation, and social comparison and their associations with emotional adjustment. *Psychology of Popular Media* , 10 (1). <https://doi.org/10.1037/ppm0000277>

Zimmer-Gembeck, M. J., Hawes, T., Scott, R. A., Campbell, T., & Webb, H. J. (2023). Adolescents' online appearance preoccupation: A 5-year longitudinal study of the influence of peers, parents, beliefs, and disordered eating. *Computers in Human Behavior* , 140 , 107569. <https://doi.org/10.1016/j.chb.2022.107569>

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2021	<i>Journal of Youth and Adolescence</i>	Zimmer-Gembeck	Rudolph, Webb, Henderson, Hawes
2019	<i>Preventive Medicine Reports</i>	Zinka	Belchera, Kechtera, Stoneb, & Leventhal
(n.d.)	<i>Child Development</i>	N/A	N/A
(n.d.)	<i>Brain and Environment</i>	N/A	N/A
2024	<i>Affective Science</i>	Boyd, S. I.	Dreier, M. J., Jorgensen, S. L., Moghaddas, S. L., Kleiman, E., & Hamilton, J. L.

Face-to-Face and Cyber-Victimization: A Longitudinal Study of Offline Appearance Anxiety and Online Appearance Preoccupation

Reciprocal associations between screen time and emotional disorder symptoms during adolescence

N/A

N/A

Momentary associations between emotional responses to social media and affect: Consistency across global affect and specific emotional states

Zimmer-Gembeck, M.J., Rudolph, J., Webb, H.J. *et al.* (2021). Face-to-Face and Cyber-Victimization: A Longitudinal Study of Offline Appearance Anxiety and Online Appearance Preoccupation. *Journal of Youth and Adolescence* 50, 2311–2323.  
<https://doi.org/10.1007/s10964-020-01367-y>

Zink, J., Belcher, B. R., Kechter, A., Stone, M. D., & Leventhal, A. M. (2019). Reciprocal associations between screen time and emotional disorder symptoms during adolescence. *Preventive medicine reports* , 13 , 281–288.  
<https://doi.org/10.1016/j.pmedr.2019.01.014>

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Boyd, S. I., Dreier, M. J., Jorgensen, S. L., Moghaddas, S. L., Kleiman, E., & Hamilton, J. L. (2024). Momentary associations between emotional responses to social media and affect: Consistency across global affect and specific emotional states. *Affective Science*, 1-10.

2018	<i>Developmental Cognitive Neuroscience</i>	Herting, M. M.	Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C.
2004	<i>Oxford University Press.</i>	Huettel, S.A.	Song, A.W, & McCarthy, G.
2019	<i>Communications Biology</i>	Nee, D. E.	N/A
2024	<i>Cambridge University Press.</i>	Poldrack, R. A.	Mumford, J. A., & Nichols, T. E.
(n.d.)	<i>Social Cognitive and Affective Neuroscience</i>	N/A	N/A

Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies
Functional Magnetic Resonance Imaging
fMRI replicability depends upon sufficient individual-level data
Handbook of functional MRI data analysis
N/A

Herting, M. M., Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C. (2018). Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies. *Developmental Cognitive Neuroscience* , 33, 17-26.

Huettel, S.A., Song, A.W, & McCarthy, G, (2004). Functional Magnetic Resonance Imaging. Oxford University Press.

Nee, D. E. (2019). fMRI replicability depends upon sufficient individual-level data. *Communications Biology* , 2(1), 130.

Poldrack, R. A., Mumford, J. A., & Nichols, T. E. (2024). Handbook of functional MRI data analysis. Cambridge University Press.

N/A

2025	<i>Journal of Adolescent Health</i>	Cascio, C.	Moreno, M., Romeo, D., Maki, J., Wang, B., Li, M., ... & Selkie, E.
2025	<i>Cureus</i>	De, D.	El Jamal, M., Aydemir, E., & Khera, A.
2025	<i>Journal of Research on Adolescence</i>	Dodan, D.	Negru-Subtirica, O.
2025	<i>Healthcare</i>	Dores, A. R.	Peixoto, M., Fernandes, C., Marques, A., & Barbosa, F.
2025	<i>Addictive Behaviors</i>	Doran, N.	Wade, N. E., Courtney, K. E., Sullivan, R. M., & Jacobus, J.



The Relationship Between Neural Mechanisms Associated With Self-Versus Peer-Generated Social Media Posts and Health and Risk Attitudes and Behaviors
Social Media Algorithms and Teen Addiction: Neurophysiological Impact and Ethical Considerations
Is using TikTok stressful? Exploring the longitudinal relationships between adolescents' self-concept clarity and digital stress
The Effects of Social Feedback Through the “Like” Feature on Brain Activity: A Systematic Review
Mobile phone ownership, social media use, and substance use at ages 11–13 in the ABCD study

Cascio, C., Moreno, M., Romeo, D., Maki, J., Wang, B., Li, M., ... & Selkie, E. (2025). The Relationship Between Neural Mechanisms Associated With Self-Versus Peer-Generated Social Media Posts and Health and Risk Attitudes and Behaviors. *Journal of Adolescent Health*, 76(3), S80.

De, D., El Jamal, M., Aydemir, E., & Khera, A. (2025). Social Media Algorithms and Teen Addiction: Neurophysiological Impact and Ethical Considerations. *Cureus*, 17(1).

Dodan, D., & Negru-Subtirica, O. (2025). Is using TikTok stressful? Exploring the longitudinal relationships between adolescents' self-concept clarity and digital stress. *Journal of Research on Adolescence*, 35 (1), e70011.

Dores, A. R., Peixoto, M., Fernandes, C., Marques, A., & Barbosa, F. (2025, January) The Effects of Social Feedback Through the “Like” Feature on Brain Activity: A Systematic Review. In *Healthcare* (Vol. 13, No. 1, p. 89). MDPI.

Doran, N., Wade, N. E., Courtney, K. E., Sullivan, R. M., & Jacobus, J. (2025). Mobile phone ownership, social media use, and substance use at ages 11–13 in the ABCD study. *Addictive Behaviors*, 161, 108211.

2025	<i>Scientific Reports</i>	Frielingsdorf, H.	Fomichov, V., Rystedt, I., Lindstrand, S., Korhonen, L., & Henriksson, H.
2025	<i>Journal of Child Psychology and Psychiatry</i>	Maheux, A. J.	Burnell, K., Maza, M. T., Fox, K. A., Telzer, E. H., & Prinstein, M. J.
2025	<i>JAMA Network Open</i>	Nagata, J. M.	Otmar, C. D., Shim, J., Balasubramanian, P., Cheng, C. M., Li, E. J., ... & Baker, F. C.
2025	<i>Child Development</i>	Pouwels, J. L.	Beyens, I., Keijsers, L., & Valkenburg, P. M.
2025	<i>Nicotine and Tobacco Research</i>	Purba, A. K.	Henderson, M., Baxter, A., Pearce, A., & Katikireddi, S. V.

Associations of time spent on different types of digital media with self-rated general and mental health in Swedish adolescents

Annual Research Review: Adolescent social media use is not a monolith: toward the study of specific social media components and individual differences

Social Media Use and Depressive Symptoms During Early Adolescence

Changing or stable? The effects of adolescents' social media use on psychosocial functioning

The relationship between Time spent on Social Media and adolescent Cigarette, E-cigarette, and dual use: a longitudinal analysis of the UK Millennium Cohort Study

Frielingsdorf, H., Fomichov, V., Rystedt, I., Lindstrand, S., Korhonen, L., & Henriksson, H. (2025). Associations of time spent on different types of digital media with self-rated general and mental health in Swedish adolescents. *Scientific Reports*, 15(1), 993.

Maheux, A. J., Burnell, K., Maza, M. T., Fox, K. A., Telzer, E. H., & Prinstein, M. J. (2025). Annual Research Review: Adolescent social media use is not a monolith: toward the study of specific social media components and individual differences. *Journal of Child Psychology and Psychiatry*, 66(4), 440-459.

Nagata, J. M., Otmar, C. D., Shim, J., Balasubramanian, P., Cheng, C. M., Li, E. J., ... & Baker, F. C. (2025). Social Media Use and Depressive Symptoms During Early Adolescence. *JAMA Network Open*, 8(5), e2511704-e2511704

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Purba, A. K., Henderson, M., Baxter, A., Pearce, A., & Katikireddi, S. V. (2025). The relationship between Time spent on Social Media and adolescent Cigarette, E-cigarette, and dual use: a longitudinal analysis of the UK Millennium Cohort Study. *Nicotine and Tobacco Research*, 27(4), 693-704.

2025	<i>Obesity</i>	Shi, X.	Duck, S. A., Jansen, E., Borsarini, B., Blackwell, C. K., Li, Y., & Carnell, S.
2013	<i>Psychological Science</i>	Somerville, L. H.	Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J.
2003	<i>Hippocampus</i>	Greicius, M. D.	Krasnow, B., Boyett-Anderson, J. M., Eliez, S., Schatzberg, A. F., Reiss, A. L., & Menon, V.
2025	<i>Affective Science</i>	Garrett, S. L.	Shipkova, M., Prinstein, M. J., Telzer, E. H., & Lindquist, K. A.
2025	<i>The Lancet Regional Health</i>	Goodyear	et al.

Concurrent and prospective associations of social media usage with binge eating symptoms in early adolescence

The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence

Regional analysis of hippocampal activation during memory encoding and retrieval: fMRI study

Positive and Negative Sentiment in Social Media Direct Messages Predicts Negative Emotion Differentiation Among Adolescents

School Phone Policies and Their Association with Mental Wellbeing, Phone Use, and Social Media Use (SMART Schools): A Cross-Sectional Observational Study

Shi, X., Duck, S. A., Jansen, E., Borsarini, B., Blackwell, C. K., Li, Y., & Carnell, S. (2025). Concurrent and prospective associations of social media usage with binge eating symptoms in early adolescence. *Obesity*, 33 (2), 346-355.

Somerville, L. H., Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J. (2013). The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence. *Psychological Science*, 24 (8), 1554-1562.

Greicius, M. D., Krasnow, B., Boyett-Anderson, J. M., Eliez, S., Schatzberg, A. F., Reiss, A. L., & Menon, V. (2003). Regional analysis of hippocampal activation during memory encoding and retrieval: fMRI study. *Hippocampus*, 13(1), 164–174.  
<https://doi.org/10.1002/hipo.10064>

Garrett, S. L., Shipkova, M., Prinstein, M. J., Telzer, E. H., & Lindquist, K. A. (2025). Positive and Negative Sentiment in Social Media Direct Messages Predicts Negative Emotion Differentiation Among Adolescents. *Affective Science*, 1-8.

Goodyear, et al., School Phone Policies and Their Association with Mental Wellbeing, Phone Use, and Social Media Use (SMART Schools): A Cross-Sectional Observational Study, THE LANCET REGIONAL HEALTH



2017	<i>Clinical Psychological Science</i>	Twenge J	Joiner T, Rogers M, Martin G.
2024	<i>International Journal of Psychology</i>	Błachnio, A.	Przepiórka, A., Gorbaniuk, O., Abreu, A. M., Bendayan, R., Ben-Ezra, M., Benvenuti, M., Durak, M., Senol-Durak, E., Makita, M., McNeill, M., Seidman, G., Wu, A. M.
2024	<i>Cyberpsychology Behavior and Social Networking</i>	Elosua, P.	Abad, F. J., Hernández, A.
2013	<i>Mevlana International Journal of Education</i>	Keser, H.	Esgi, N., Kocadag, T., Bulu, S.
2021	<i>Journal of Behavioral Addictions</i>	Luo, T.	Qin, L., Cheng, L., Wang, S., Zhu, Z., Xu, J., Chen, H., Liu, Q., Hu, M., Tong, J., Hao, W., Wei, B., Liao, Y.

Increases in Depressive Symptoms, Suicide-Related Outcomes, and Suicide Rates Among U.S. Adolescents After 2010 and Links to Increased New Media Screen Time

Measurement invariance of the Facebook intrusion questionnaire across 25 countries

Support of the Dimensionality and Internal Consistency of the Generalized Problematic Internet Use Scale-2: Systematic Review and Meta-Analysis

Validity and Reliability Study of the Internet Addiction Test

Determination the cut-off point for the Bergen social media addiction (BSMAS): Diagnostic contribution of the six criteria of the components model of addiction for social media disorder

Twenge J, Joiner T, Rogers M, Martin G. Increases in Depressive Symptoms, Suicide-Related Outcomes, and Suicide Rates Among U.S. Adolescents After 2010 and Links to Increased New Media Screen Time. *Clinical Psychological Science*. 6. 216770261772337. 2017.

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<https://doi.org/10.1002/ijop.13227>

Elosua, P., Abad, F. J., & Hernández, A. (2024). Support of the Dimensionality and Internal Consistency of the Generalized Problematic Internet Use Scale-2: Systematic Review and Meta-Analysis. *Cyberpsychology Behavior and Social Networking*.  
<https://doi.org/10.1089/cyber.2024.0162>

Keser, H., Esgi, N., Kocadag, T., & Bulu, S. (2013). Validity and Reliability Study of the Internet Addiction Test. *Mevlana International Journal of Education*, 3 (4), 207–222.  
<https://doi.org/10.13054/mije.13.51.3.4>

Luo, T., Qin, L., Cheng, L., Wang, S., Zhu, Z., Xu, J., Chen, H., Liu, Q., Hu, M., Tong, J., Hao, W., Wei, B., & Liao, Y. (2021). Determination the cut-off point for the Bergen social media addiction (BSMAS): Diagnostic contribution of the six criteria of the components model of addiction for social media disorder. *Journal of Behavioral Addictions*, 10(2), 281–290. <https://doi.org/10.1556/2006.2021.00025>

2020	<i>Cyberpsychology, Behavior, and Social Networking</i>	Marin, M. G.	Nuñez, X., de Almeida, R. M. M.
2016	<i>Personality and Individual Differences</i>	Orosz, G.	Tóth-Király, I., Bőthe, B.
2023	<i>International Journal of Mental Health and Addiction</i>	Pakpour, A. H.	Jafari, E., Fatemeh Zanjanchi, Potenza, M. N., Lin, C.-Y.
2018	<i>The Turkish Online Journal of Educational Technology</i>	Şahin, C.	N/A
2016	<i>Computers in Human Behavior</i>	Van den Eijnden, R. J. J. M.	Lemmens, J. S., Valkenburg, P. M.

Internet addiction and attention in adolescents: A systematic review

Four facets of Facebook intensity — The development of the Multidimensional Facebook Intensity Scale

The YouTube Addiction Scale: Psychometric Evidence for a New Instrument Developed Based on the Component Model of Addiction

Social Media Addiction Scale -Student Form: The Reliability and Validity Study

The Social Media Disorder Scale

Marin, M. G., Nuñez, X., & de Almeida, R. M. M. (2020). Internet addiction and attention in adolescents: A systematic review. *Cyberpsychology, Behavior, and Social Networking* , 24 (4). <https://doi.org/10.1089/cyber.2019.0698>

Orosz, G., Tóth-Király, I., & Bőthe, B. (2016). Four facets of Facebook intensity — The development of the Multidimensional Facebook Intensity Scale. *Personality and Individual Differences* , 100 , 95–104. <https://doi.org/10.1016/j.paid.2015.11.038>

Pakpour, A. H., Jafari, E., Fatemeh Zanjanchi, Potenza, M. N., & Lin, C.-Y. (2023). The YouTube Addiction Scale: Psychometric Evidence for a New Instrument Developed Based on the Component Model of Addiction. *International Journal of Mental Health and Addiction*. <https://doi.org/10.1007/s11469-023-01216-6>

Şahin, C. (2018). Social Media Addiction Scale -Student Form: The Reliability and Validity Study. *The Turkish Online Journal of Educational Technology* , 17 (1). <https://files.eric.ed.gov/fulltext/EJ1165731.pdf>

Van den Eijnden, R. J. J. M., Lemmens, J. S., & Valkenburg, P. M. (2016). The Social Media Disorder Scale. *Computers in Human Behavior* , 61 , 478–487. <https://doi.org/10.1016/j.chb.2016.03.038>

2024	<i>International Journal of Psychology</i>	Błachnio, A.	Przepiórka, A., Gorbaniuk, O., Abreu, A. M., Bendayan, R., Ben-Ezra, M., Benvenuti, M., Durak, M., Senol-Durak, E., Makita, M., McNeill, M., Seidman, G., Wu, A. M.
2024	<i>Cyberpsychology Behavior and Social Networking</i>	Elosua, P.	Abad, F. J., Hernández, A.
2013	<i>Mevlana International Journal of Education</i>	Keser, H.	Esgi, N., Kocadag, T., Bulu, S.
2021	<i>Journal of Behavioral Addictions</i>	Luo, T.	Qin, L., Cheng, L., Wang, S., Zhu, Z., Xu, J., Chen, H., Liu, Q., Hu, M., Tong, J., Hao, W., Wei, B., Liao, Y.
2020	<i>Cyberpsychology, Behavior, and Social Networking</i>	Marin, M. G.	Núñez, X., de Almeida, R. M. M.

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Błachnio, A., Przepiórka, A., Gorbaniuk, O., Abreu, A. M., Bendayan, R., Ben-Ezra, M., Benvenuti, M., Durak, M., Senol-Durak, E., Makita, M., McNeill, M., Seidman, G., Wu, A. M. S., Blanca, M. J., Angeluci, A., Čuš Babić, N., Brkljacic, T., Ciobanu, A. M., Ivanova, A., & Giannakos, M. N. (2024). Measurement invariance of the Facebook intrusion questionnaire across 25 countries. *International Journal of Psychology*, 59(6), 1049–1063.  
<https://doi.org/10.1002/ijop.13227>

Elosua, P., Abad, F. J., & Hernández, A. (2024). Support of the Dimensionality and Internal Consistency of the Generalized Problematic Internet Use Scale-2: Systematic Review and Meta-Analysis. *Cyberpsychology Behavior and Social Networking*.  
<https://doi.org/10.1089/cyber.2024.0162>

Keser, H., Esgi, N., Kocadag, T., & Bulu, S. (2013). Validity and Reliability Study of the Internet Addiction Test. *Mevlana International Journal of Education*, 3 (4), 207–222.  
<https://doi.org/10.13054/mije.13.51.3.4>

Luo, T., Qin, L., Cheng, L., Wang, S., Zhu, Z., Xu, J., Chen, H., Liu, Q., Hu, M., Tong, J., Hao, W., Wei, B., & Liao, Y. (2021). Determination the cut-off point for the Bergen social media addiction (BSMAS): Diagnostic contribution of the six criteria of the components model of addiction for social media disorder. *Journal of Behavioral Addictions*, 10(2), 281–290. <https://doi.org/10.1556/2006.2021.00025>

Marin, M. G., Nuñez, X., & de Almeida, R. M. M. (2020). Internet addiction and attention in adolescents: A systematic review. *Cyberpsychology, Behavior, and Social Networking*, 24 (4).  
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2016	<i>Personality and Individual Differences</i>	Orosz, G.	Tóth-Király, I., Bóthe, B.
2023	<i>International Journal of Mental Health and Addiction</i>	Pakpour, A. H.	Jafari, E., Fatemeh Zanjanchi, Potenza, M. N., Lin, C.-Y.
2018	<i>Turkish Online Journal of Educational Technology - TOJET</i>	Sahin, C.	n/a
2016	<i>Computers in Human Behavior</i>	Van den Eijnden, R. J. J. M.	Lemmens, J. S., Valkenburg, P. M.
2014	N/A	Huettel, S. A.	Song, A. W., McCarthy, G.

Four facets of Facebook intensity — The development of the Multidimensional Facebook Intensity Scale

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Pakpour, A. H., Jafari, E., Fatemeh Zanjanchi, Potenza, M. N., & Lin, C.-Y. (2023). The YouTube Addiction Scale: Psychometric Evidence for a New Instrument Developed Based on the Component Model of Addiction. *International Journal of Mental Health and Addiction*. <https://doi.org/10.1007/s11469-023-01216-6>

Sahin, C. (2018). Social Media Addiction Scale-Student Form: The Reliability and Validity Study. *Turkish Online Journal of Educational Technology - TOJET* , 17 (1), 169–182. <https://eric.ed.gov/?id=EJ1165731>

Van den Eijnden, R. J. J. M., Lemmens, J. S., & Valkenburg, P. M. (2016). The Social Media Disorder Scale. *Computers in Human Behavior* , 61 , 478–487. <https://doi.org/10.1016/j.chb.2016.03.038>

Huettel, S. A., Song, A. W., & McCarthy, G. (2014). *Functional Magnetic Resonance Imaging* (Vol. 3rd volume).

2022	<i>Neuropsychologia</i>	Uy, J. P.	Dieffenbach, M., Leschak, C. J., Eisenberger, N. I., Fuligni, A. J., Galván, A.
2021	<i>Brain, Behavior, and Immunity</i>	Uy, J. P.	Dieffenbach, M., Leschak, C. J., Eisenberger, N. I., Fuligni, A. J., Galvan, A.
2021	<i>Depression and anxiety</i>	Padgaonkar, N. T.	Phuong Uy, J., DePasque, S., Galván, A., Peris, T. S.
2020	<i>Developmental science</i>	Tashjian, S. M.	Galván, A.
2020	<i>Social Cognitive and Affective Neuroscience</i>	Tashjian, S. M.	Galván, A.

Sleep duration moderates the associations between immune markers and corticolimbic function during stress in adolescents

Negative affect and sleep habits moderate associations between frontolimbic circuitry during stress and immune markers in adolescents

Neural correlates of emotional reactivity and regulation in youth with and without anxiety

Neural recruitment related to threat perception differs as a function of adolescent sleep

Dorsolateral prefrontal cortex response to negative tweets relates to executive functioning

Uy, J. P., Dieffenbach, M., Leschak, C. J., Eisenberger, N. I., Fuligni, A. J., & Galván, A. (2022). Sleep duration moderates the associations between immune markers and corticolimbic function during stress in adolescents. *Neuropsychologia*, 176, 108374.

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Tashjian, S. M., & Galván, A. (2020). Neural recruitment related to threat perception differs as a function of adolescent sleep. *Developmental science*, 23 (5), e12933.

Tashjian, S. M., & Galván, A. (2020). Dorsolateral prefrontal cortex response to negative tweets relates to executive functioning. *Social Cognitive and Affective Neuroscience*, 15 (7), 775-787.

2024	<i>Biological Psychiatry</i>	Barendse, M.	Kievit, R., Pfeifer, J.
2024	<i>JMIR Research Protocols</i>	Ng, M. Y.	Frederick, J. A., Fisher, A. J., Allen, N. B., Pettit, J. W., McMakin, D. L.
2020	<i>Developmental Cognitive Neuroscience</i>	Padgaonkar, N. T.	Lawrence, K. E., Hernandez, L. M., Green, S. A., Galván, A., Dapretto, M.
2024	<i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i>	Barendse, M. E.	Allen, N. B., Sheeber, L., Pfeifer, J. H.
1998	<i>Psychiatry research</i>	Thapar, A.	McGuffin, P.



Longitudinal, Bidirectional Associations  
Between Frontostriatal Connectivity and  
Depressive Symptoms in Adolescent Girls

Identifying Person-Specific Drivers of  
Depression in Adolescents: Protocol for a  
Smartphone-Based Ecological Momentary  
Assessment and Passive Sensing Study

Sex differences in internalizing symptoms  
and amygdala functional connectivity in  
neurotypical youth

Associations between parenting behavior and  
neural processing of adolescent faces in  
mothers with and without depression

Validity of the shortened Mood and Feelings  
Questionnaire in a community sample of  
children and adolescents: a preliminary  
research note

Barendse, M., Kievit, R., & Pfeifer, J. (2024). Longitudinal, Bidirectional Associations Between Frontostriatal Connectivity and Depressive Symptoms in Adolescent Girls. *Biological Psychiatry* , 95 (10), S59-S60

Ng, M. Y., Frederick, J. A., Fisher, A. J., Allen, N. B., Pettit, J. W., & McMakin, D. L. (2024). Identifying Person-Specific Drivers of Depression in Adolescents: Protocol for a Smartphone-Based Ecological Momentary Assessment and Passive Sensing Study. *JMIR Research Protocols*, 13, e43931.

Padgaonkar, N. T., Lawrence, K. E., Hernandez, L. M., Green, S. A., Galván, A., & Dapretto, M. (2020). Sex differences in internalizing symptoms and amygdala functional connectivity in neurotypical youth. *Developmental Cognitive Neuroscience* , 44 , 100797

Barendse, M. E., Allen, N. B., Sheeber, L., & Pfeifer, J. H. (2024). Associations between parenting behavior and neural processing of adolescent faces in mothers with and without depression. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 9(1), 41-49.

Thapar, A., & McGuffin, P. (1998). Validity of the shortened Mood and Feelings Questionnaire in a community sample of children and adolescents: a preliminary research note. *Psychiatry research* , 81 (2), 259-268.

1995	<i>International Journal of Methods in Psychiatric Research</i>	Angold, A.	Costello, E. J., Messer, S. C., Pickles, A.
2006	<i>Journal of Abnormal Child Psychology</i>	Sharp, C.	Goodyer, I.M. Croudace, T.J.
2004	<i>Journal of Clinical Psychology</i>	Dutra, L.	Campbell, L., Westen, D.
2008	<i>Child and Adolescent Mental Health</i>	Warnick, E. M.	Bracken, M. B., Kasl, S.
2010	<i>Pediatrics</i>	Richardson, L. P.	McCauley, E., Grossman, D. C., McCarty, C. A., Richards, J., Russo, J. E., ... & Katon, W.

Development of a short questionnaire for use in epidemiological studies of depression in children and adolescents

The Short Mood and Feelings Questionnaire (SMFQ): A Unidimensional Item Response Theory and Categorical Data Factor Analysis of Self-Report Ratings from a Community Sample of 7-through 11-Year-Old Children

Quantifying clinical judgment in the assessment of adolescent psychopathology: Reliability, validity, and factor structure of the Child Behavior Checklist for clinician report

Screening efficiency of the Child Behavior Checklist and Strengths and Difficulties Questionnaire: A systematic review

Evaluation of the Patient Health Questionnaire-9 Item for detecting major depression among adolescents

Angold, A., Costello, E. J., Messer, S. C., & Pickles, A. (1995). Development of a short questionnaire for use in epidemiological studies of depression in children and adolescents. *International Journal of Methods in Psychiatric Research*, 5(4), 237–249.

Sharp, C., Goodyer, I.M. & Croudace, T.J. (2006). The Short Mood and Feelings Questionnaire (SMFQ): A Unidimensional Item Response Theory and Categorical Data Factor Analysis of Self-Report Ratings from a Community Sample of 7-through 11-Year-Old Children. *Journal of Abnormal Child Psychology*, 34, 365–377. <https://doi.org/10.1007/s10802-006-9027-x>

Dutra, L., Campbell, L., & Westen, D. (2004). Quantifying clinical judgment in the assessment of adolescent psychopathology: Reliability, validity, and factor structure of the Child Behavior Checklist for clinician report. *Journal of Clinical Psychology*, 60(1), 65-85.

Warnick, E. M., Bracken, M. B., & Kasl, S. (2008). Screening efficiency of the Child Behavior Checklist and Strengths and Difficulties Questionnaire: A systematic review. *Child and Adolescent Mental Health*, 13 (3), 140-147.

Richardson, L. P., McCauley, E., Grossman, D. C., McCarty, C. A., Richards, J., Russo, J. E., ... & Katon, W. (2010). Evaluation of the Patient Health Questionnaire-9 Item for detecting major depression among adolescents. *Pediatrics*, 126 (6), 1117-1123.

2023	<i>Sleep</i>	Baker, A. E.	Tashjian, S. M., Goldenberg, D., Galván, A.
2019	<i>Journal of Adolescent Health</i>	Tashjian, S. M.	Mullins, J. L., Galván, A.
2025	<i>JAMA</i>	Xiao, Y.	Meng, Y., Brown, T.T., Keyes, K.M., Mann, J.J.
2023	<i>Journal of the American Academy of Child &amp; Adolescent Psychiatry</i>	Song, K.	Zhang, J. L., Zhou, N., Fu, Y., Zou, B., Xu, L. X., ... & Zhang, J. T.
2024	<i>Scientific Reports</i>	Nivins, S.	Sauce, B., Liebherr, M., Judd, N., Klingberg, T.

Sleep variability over a 2-week period is associated with restfulness and intrinsic limbic network connectivity in adolescents

Bedtime autonomy and cellphone use influence sleep duration in adolescents

Addictive Screen Use Trajectories and Suicidal Behaviors, Suicidal Ideation, and Mental Health in US Youths

Youth screen media activity patterns and associations with behavioral developmental measures and resting-state brain functional connectivity

Long-term impact of digital media on brain development in children

Baker, A. E., Tashjian, S. M., Goldenberg, D., & Galván, A. (2023). Sleep variability over a 2-week period is associated with restfulness and intrinsic limbic network connectivity in adolescents. *Sleep*, 46(2), zsac248

Tashjian, S. M., Mullins, J. L., & Galván, A. (2019). Bedtime autonomy and cellphone use influence sleep duration in adolescents. *Journal of Adolescent Health*, 64(1), 124-130.

Xiao Y, Meng Y, Brown TT, Keyes KM, Mann JJ (2025). Addictive Screen Use Trajectories and Suicidal Behaviors, Suicidal Ideation, and Mental Health in US Youths. *JAMA*.

Song, K., Zhang, J. L., Zhou, N., Fu, Y., Zou, B., Xu, L. X., ... & Zhang, J. T. (2023). Youth screen media activity patterns and associations with behavioral developmental measures and resting-state brain functional connectivity. *Journal of the American Academy of Child & Adolescent Psychiatry*, 62(9), 1051-1063.

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2025	<i>Pediatric Clinics</i>	Vidal, C.	Sussman, C.
2023	<i>Telematics and Informatics Reports</i>	van Essen, C. M.	Van Ouytsel, J.
2024	<i>International Journal of Eating Disorders</i>	Dondzilo, L.	Rodgers, R. F., Dietel, F. A.
2023	<i>PLOS Global Public Health</i>	Dane, A.	Bhatia, K.
2012	<i>Physiology &amp; behavior</i>	Tang, D. W.	Fellows, L. K., Small, D. M., Dagher, A.

Problematic Social Media Use or Social Media Addiction in Pediatric Populations

Snapchat streaks—How are these forms of gamified interactions associated with problematic smartphone use and fear of missing out among early adolescents?

Association between engagement with appearance and eating related TikTok content and eating disorder symptoms via recommended content and appearance comparisons

The social media diet: A scoping review to investigate the association between social media, body image and eating disorders amongst young people

Food and drug cues activate similar brain regions: a meta-analysis of functional MRI studies

Vidal, C., & Sussman, C. (2025). Problematic Social Media Use or Social Media Addiction in Pediatric Populations. *Pediatric Clinics* , 72 (2), 291-304.

van Essen, C. M., & Van Ouytsel, J. (2023). Snapchat streaks—How are these forms of gamified interactions associated with problematic smartphone use and fear of missing out among early adolescents?. *Telematics and Informatics Reports*, 11, 100087

Dondzilo, L., Rodgers, R. F., & Dietel, F. A. (2024). Association between engagement with appearance and eating related TikTok content and eating disorder symptoms via recommended content and appearance comparisons. *International Journal of Eating Disorders*, 57(2), 458-462

Dane, A., & Bhatia, K. (2023). The social media diet: A scoping review to investigate the association between social media, body image and eating disorders amongst young people. *PLOS Global Public Health* , 3 (3), e0001091.

Tang, D. W., Fellows, L. K., Small, D. M., & Dagher, A. (2012). Food and drug cues activate similar brain regions: a meta-analysis of functional MRI studies. *Physiology & behavior*, 106(3), 317-324

2024	<i>Neuroscience Research Notes</i>	Nawawi, N. A. A. M.	Nasir, F., Abdullah, K. A., Othman, E.
2021	<i>Neuroscience &amp; Biobehavioral Reviews</i>	Martins, D.	Rademacher, L., Gabay, A. S., Taylor, R., Richey, J. A., Smith, D. V., ... & Paloyelis, Y.
2012	<i>BMC Public Health</i>	Gustavson, K.	von Soest, T., Karevold, E., Røysamb, E.
(in press)	<i>JAMA Network Open</i>	Burnell, K.	Maheux, A.J., Shapiro, H., Flannery, J.E., Telzer, E.H., Kollins, S.H.
2022	<i>Media Psychology</i>	Siebers, T.	Beyens, I., Pouwels, J. L., Valkenburg, P. M.

Understanding drug craving: evidence from fMRI studies

Mapping social reward and punishment processing in the human brain: A voxel-based meta-analysis of neuroimaging findings using the social incentive delay task

Attrition and generalizability in longitudinal studies: Findings from a 15-year population-based study and a Monte Carlo simulation study

An observational analysis of smartphone engagement during school hours among U.S. youth

Social media and distraction: An experience sampling study among adolescents

Nawawi, N. A. A. M., Nasir, F., Abdullah, K. A., & Othman, E. (2024). Understanding drug craving: evidence from fMRI studies. *Neuroscience Research Notes* , 7 (3), 294-1

Martins, D., Rademacher, L., Gabay, A. S., Taylor, R., Richey, J. A., Smith, D. V., ... & Paloyelis, Y. (2021). Mapping social reward and punishment processing in the human brain: A voxel-based meta-analysis of neuroimaging findings using the social incentive delay task. *Neuroscience & Biobehavioral Reviews*, 122, 1-17.

Gustavson, K., von Soest, T., Karevold, E., & Røysamb, E. (2012). Attrition and generalizability in longitudinal studies: Findings from a 15-year population-based study and a Monte Carlo simulation study. *BMC Public Health*, 12 , 918

Burnell, K., Maheux, A.J., Shapiro, H., Flannery, J.E., Telzer, E.H., & Kollins, S.H. (in press). An observational analysis of smartphone engagement during school hours among U.S. youth. *JAMA Network Open*.

Siebers, T., Beyens, I., Pouwels, J. L., & Valkenburg, P. M. (2022). Social media and distraction: An experience sampling study among adolescents. *Media Psychology* , 25 (3), 343-3

2018	<i>Proceedings of the National Academy of Sciences</i>	Gurven, M. D.	N/A
2013	<i>Developmental Review</i>	Bornstein, M. H.	Jager, J., Putnick, D. L.
2024	<i>International Journal of Mental Health and Addiction</i>	Chen, Y.	Li, S., Tian, Y., Li, D., Yin, H.
2024	<i>Journal of affective disorders</i>	Oli, A.	Walsh, E.I., Dawel, A., Alateeq, K., Oyarce, D.A.E., Cherbuin, N.
2024	<i>International journal of cognitive therapy</i>	Hamilton, J. L.	Jorgensen, S. L., Crichlow, Z., Biernesser, C., Zelazny, J., Franzen, P. L., ... & Brent, D. A.

Broadening horizons: Sample diversity and socioecological theory are essential to the future of psychological science
Sampling in developmental science: Situations, shortcomings, solutions, and standards
Problematic social media use may be ruining our sleep: A meta-analysis on the relationship between problematic social media use and sleep quality
Social media use, mental health and sleep: A systematic review with meta-analyses.
Social media use and sleep outcomes among adolescents at high risk for suicide



Gurven, M. D. (2018). Broadening horizons: Sample diversity and socioecological theory are essential to the future of psychological science. *Proceedings of the National Academy of Sciences*, 115(45), 11420-11427

Bornstein, M. H., Jager, J., & Putnick, D. L. (2013). Sampling in developmental science: Situations, shortcomings, solutions, and standards. *Developmental Review*, 33(4), 357-37

Chen, Y., Li, S., Tian, Y., Li, D., & Yin, H. (2024). Problematic social media use may be ruining our sleep: A meta-analysis on the relationship between problematic social media use and sleep quality. *International Journal of Mental Health and Addiction*, 1-36.

Oli, A., Walsh, E.I., Dawel, A., Alateeq, K., Oyarce, D.A.E., and Cherbuin, N. (2024) "Social media use, mental health and sleep: A systematic review with meta-analyses." *Journal of affective disorders* 367, 701-712.

Hamilton, J. L., Jorgensen, S. L., Crichlow, Z., Biernesser, C., Zelazny, J., Franzen, P. L., ... & Brent, D. A. (2024). Social media use and sleep outcomes among adolescents at high risk for suicide. *International journal of cognitive therapy*, 17(1), 53-71.

2021	<i>Telematics and Informatics</i>	Marttila, E.	Koivula, A., Räsänen, P.
2025	<i>Behavioural Brain Research</i>	Prince, T.	Driver, C., Boyes, A., Mulgrew, K. E., Elwyn, R., Mills, L., Hermens, D. F.
2025	<i>NeuroImage</i>	Prince, T.	Levenstein, J. M., Driver, C., Mulgrew, K. E., Mills, L., Boyes, A., Shan, Z., McLoughlin, L. T., Hermens, D. F.
2024	<i>The Italian Journal of Pediatrics/Italian Journal of Pediatrics</i>	Bozzola, E.	Bozzola, E., Scarpato, E., Caruso, C., Russo, R., Aversa, T., & Agostiniani, R.
2019	<i>Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems - CHI '19</i>	Cheng, J.	<span style="background-color: black; color: black;">[REDACTED]</span> <span style="background-color: black; color: black;">[REDACTED]</span> G.

Does excessive social media use decrease subjective well-being? A longitudinal analysis of the relationship between problematic use, loneliness and life satisfaction

The neural underpinnings of body image-related cyberbullying in adolescent females: A proposed neurobiological model

Differential neural responses to body image-related cyberbullying in adolescent females

Photo editing and the risk of anorexia nervosa among children and adolescents

Understanding Perceptions of Problematic Facebook Use

Marttila, E., Koivula, A., & Räsänen, P. (2021). Does excessive social media use decrease subjective well-being? A longitudinal analysis of the relationship between problematic use, loneliness and life satisfaction. *Telematics and Informatics* , 59 , 10155.

Prince, T., Driver, C., Boyes, A., Mulgrew, K. E., Elwyn, R., Mills, L., & Hermens, D. F. (2025). The neural underpinnings of body image-related cyberbullying in adolescent females: A proposed neurobiological model. *Behavioural Brain Research*, 115647–115647. <https://doi.org/10.1016/j.bbr.2025.115647>

Prince, T., Levenstein, J. M., Driver, C., Mulgrew, K. E., Mills, L., Boyes, A., Shan, Z., McLoughlin, L. T., & Hermens, D. F. (2025). Differential neural responses to body image-related cyberbullying in adolescent females. *NeuroImage*, 314, 121266. <https://doi.org/10.1016/j.neuroimage.2025.121266>

Bozzola, E., Scarpato, E., Caruso, C., Russo, R., Aversa, T., & Rino Agostiniani. (2024). Photo editing and the risk of anorexia nervosa among children and adolescents. *The Italian Journal of Pediatrics/Italian Journal of Pediatrics* , 50 (1). <https://doi.org/10.1186/s13052-024-01803-w>

██████████ & ██████████ G. (2019). Understanding Perceptions of Problematic Facebook Use. *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems - CHI '19* . <https://doi.org/10.1145/3290605.3300429>

2025	<i>Journal of medical internet research</i>	Chhabra, J.	Pilkington, V., Benakovic, R., Wilson, M. J., La Sala, L., Seidler, Z.
2023	<i>Journal of Pediatric Nursing</i>	Çimke, S.	Gürkan, D.Y.
2023	<i>Addictive Behaviors</i>	Clark, L.	Zack, M.
2018	<i>Cyberpsychology: Journal of Psychosocial Research on Cyberspace</i>	Coulthard, N.	Ogden, J.
2025	<i>Acta Psychologica</i>	Dekker, C. A.	Tverdina, A.

Social Media and Youth Mental Health:  
Scoping Review of Platform and Policy  
Recommendations

Factors affecting body image perception,  
social media addiction, and social media  
consciousness regarding physical appearance  
in adolescents

Engineered highs: Reward variability and  
frequency as potential prerequisites of  
behavioural addiction

The impact of posting selfies and gaining  
feedback (“likes”) on the psychological  
wellbeing of 16-25 year olds: An  
experimental study

Designed to binge? Exploring user  
perceptions of interface features on video  
streaming platforms

Chhabra, J., Pilkington, V., Benakovic, R., Wilson, M. J., La Sala, L., & Seidler, Z. (2025). Social Media and Youth Mental Health: Scoping Review of Platform and Policy Recommendations. *Journal of medical Internet research*, 27, e72061.  
<https://doi.org/10.2196/72061>

Çimke, S. & Gürkan, D.Y. (2023). Factors affecting body image perception, social media addiction, and social media consciousness regarding physical appearance in adolescents. *Journal of Pediatric Nursing* , 73 . <https://doi.org/10.1016/j.pedn.2023.09.010>

Clark, L., & Zack, M. (2023). Engineered highs: Reward variability and frequency as potential prerequisites of behavioural addiction. *Addictive Behaviors* , 140 .  
<https://doi.org/10.1016/j.addbeh.2023.107626>

Coulthard, N., & Ogden, J. (2018). The impact of posting selfies and gaining feedback (“likes”) on the psychological wellbeing of 16-25 year olds: An experimental study. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace*, 12(2).  
<https://doi.org/10.5817/cp2018-2-4>

Dekker, C. A., & Tverdina, A. (2025). Designed to binge? Exploring user perceptions of interface features on video streaming platforms. *Acta Psychologica* , 258 , 105210.  
<https://doi.org/10.1016/j.actpsy.2025.105210>

2023	<i>Body Image</i>	Gurtala, J. C.	Fardouly, J.
2016	<i>The Journal of adolescent health: official publication of the Society for Adolescent Medicine</i>	Moreno, M. A.	Ton, A., Selkie, E., Evans, Y.
2018	<i>Psychological medicine</i>	Brown, R. C.	Fischer, T., Goldwich, A. D., Keller, F., Young, R., Plener, P. L.
2018	<i>Body Image</i>	Tiggemann, M.	Barbato, I.
2022	<i>Current opinion in psychology</i>	Vandenbosch, L.	Fardouly, J., Tiggemann, M.



Does medium matter? Investigating the impact of viewing ideal image or short-form video content on young women's body image, mood, and self-objectification

Secret Society 123: Understanding the Language of Self-Harm on Instagram

#cutting: Non-suicidal self-injury (NSSI) on Instagram

"You look great!": The effect of viewing appearance-related Instagram comments on women's body image

Social media and body image: Recent trends and future directions

Gurtala, J. C., & Fardouly, J. (2023). Does medium matter? Investigating the impact of viewing ideal image or short-form video content on young women's body image, mood, and self-objectification. *Body Image* , 46 (46), 190–201.  
<https://doi.org/10.1016/j.bodyim.2023.06.005>

Moreno, M. A., Ton, A., Selkie, E., & Evans, Y. (2016). Secret Society 123: Understanding the Language of Self-Harm on Instagram. *The Journal of adolescent health: official publication of the Society for Adolescent Medicine*, 58(1), 78–84.  
<https://doi.org/10.1016/j.jadohealth.2015.09.015>

Brown, R. C., Fischer, T., Goldwich, A. D., Keller, F., Young, R., & Plener, P. L. (2018). #cutting: Non-suicidal self-injury (NSSI) on Instagram. *Psychological medicine* , 48 (2), 337–346. <https://doi.org/10.1017/S0033291717001751>

Tiggemann, M., & Barbato, I. (2018). “You look great!”: The effect of viewing appearance-related Instagram comments on women's body image. *Body Image* , 27 , 61–66.  
<https://doi.org/10.1016/j.bodyim.2018.08.009>

Vandenbosch, L., Fardouly, J., & Tiggemann, M. (2022). Social media and body image: Recent trends and future directions. *Current opinion in psychology* , 45 , 101289.  
<https://doi.org/10.1016/j.copsyc.2021.12.002>

2021	<i>International Journal of Environmental Research and Public Health</i>	Yang, Z.	Griffiths, M. D., Yan, Z., Xu, W.
2022	<i>Biological Psychiatry: Global Open Science</i>	Gotlib, I. H.	Miller, J. G., Borchers, L. R., Coury, S. M., Costello, L. A., Garcia, J. M., Ho, T. C.
(in press)	<i>Developmental Cognitive Neuroscience</i>	Flannery, J.S.	Parr, A.C., Lindquist, K.A., Telzer, E.H.
(in press)	<i>Developmental Psychology.</i>	Garrett, S.L.	Burnell, K., Trekels, J., Prinstein, M., Telzer, E.

Can Watching Online Videos Be Addictive?  
A Qualitative Exploration of Online Video  
Watching among Chinese Young Adults

Effects of the COVID-19 Pandemic on  
Mental Health and Brain Maturation in  
Adolescents: Implications for Analyzing  
Longitudinal Data

Developmental changes in dopamine-related  
neurophysiology and associations with  
substance use and incentiveboosted cognitive  
control

Understanding adolescents' family  
communication during COVID-19: An  
ecological momentary design study

Yang, Z., Griffiths, M. D., Yan, Z., & Xu, W. (2021). Can Watching Online Videos Be Addictive? A Qualitative Exploration of Online Video Watching among Chinese Young Adults. *International Journal of Environmental Research and Public Health*, 18(14), 7247. <https://doi.org/10.3390/ijerph18147247>


Gotlib, I. H., Miller, J. G., Borchers, L. R., Coury, S. M., Costello, L. A., Garcia, J. M., & Ho, T. C. (2022). Effects of the COVID-19 Pandemic on Mental Health and Brain Maturation in Adolescents: Implications for Analyzing Longitudinal Data. *Biological Psychiatry: Global Open Science*, 3(4). <https://doi.org/10.1016/j.bpsgos.2022.11.002>

Flannery, J.S., Parr, A.C., Lindquist, K.A., & Telzer, E.H. (in press). Developmental changes in dopamine-related neurophysiology and associations with substance use and incentiveboosted cognitive control. *Developmental Cognitive Neuroscience*

Garrett, S.L. , Burnell, K., Trekels, J., Prinstein, M., & Telzer, E. (in press). Understanding adolescents' family communication during COVID-19: An ecological momentary design study. *Developmental Psychology*.

Date	Description
(n.d.)	#StatusofMind: Social media and young people's mental health and wellbeing
10/31/2024	2024.10.31 - NCHS Data Brief.Number 513.October 2024
12/19/2024	2024.12.19 - Meta Updated Safety Feature Timeline - Draft Report Exhibit
12/19/2024	2024.12.19 - TikTok Feature Timeline - 12.18.2024 - Updated with the sources for the launch date
6/27/2024	2024.6.27 - Second Amended Master Complaint (PI) dkt 494.0
8/22/2024	2024.8.22 - Lembke Report with Exhibits (redacted)
8/22/2024	2024.8.22 - Second Corrected Report Christine Brown
10/7/2021	7 facts about Americans and Instagram
2/3/2022	American Psychological Association. Why young brains are especially vulnerable to social media
6/7/2023	ASMU-Group x Puberty interaction on positvie social feedback vs. neurtral social feedback.
(n.d.)	Common Sense Census: Media Use by Tweens and Teens, 2021
3/9/2022	Common Sense Census: Media Use by Tweens and Teens, 2021
11/16/2022	Connection, creativity, and drama: Teen life on social media in 2022.
(n.d.)	Constant Companion: A Week in the Life of a Young Person's Smartphone Use (2023)
12/15/2022	Deadly By Design - TikTok pushes harmful content promoting eating disorders and self-harm into young users' feeds

(n.d.)	Designing for Disorder: Instagram's Pro-eating Disorder Bubble.
	Digital civic engagement by young people
4/3/2025	Do smartphones and social media really harm teens' mental health?
(n.d.)	Drug Misuse and Addiction
12/8/2021	Eight out of 10 Gen Zers say social media distracts from school
12/13/2024	Facebook Feed Recommendations AI System
5/22/2017	Facebook lets teenagers see porn: Children as young as 13 are being exposed to explicit images, gambling websites and dangerous diet plans
4/9/2012	Facebook to Acquire Instagram
	Frontiers for Young Minds: Science for kids, edited by kids. (n.d.).
6/18/2024	Getting Help Online: How Young People Find, Evaluate, and Use Mental Health Apps, Online Therapy, and Behavioral Health Information
10/21/2024	Giving people the power to build community and bring the world closer together.
7/27/2021	Giving Young People a Safer, More Private Experience
6/12/2024	High school teachers say phone distraction in class is a big problem in the US.
11/2/2023	His Job Was to Make Instagram Safe for Teens. His 14-Year-Old Showed Him What the App Was Really Like
9/29/2021	How Instagram is Hurting Teen Girls
5/24/2023	How to help teens handle social media safely

1/19/2023	Instagram Announces “Quiet Mode” to Help Protect Teens [Video]
6/23/2022	Introducing New Ways to Verify Age on Instagram
1/25/2024	Introducing Stricter Message Settings for Teens on Instagram and Facebook
3/29/2022	Is TikTok Dangerous for Teens?
(n.d.)	 LinkedIn
(n.d.)	Learn How To Become A Cognitive Neuroscientist
4/5/2021	Letter from Congress to Mark Zuckerberg RE Facebook's recent announcement to launch an Instagram for users under 13
10/20/2021	Letter from Richard Blumenthal to Mark Zuckerberg Re: participation in a Congressional hearing on Instagram and kids
(n.d.)	Likes vs. Learning: The Real Cost of Social Media for Schools
12/4/2019	Making Instagram Safer for the Youngest Members of Our Community
3/14/2025	Meta Defendants' Fourth Supplemental and Amended Responses and Objections to Plaintiffs' Second Set of Interrogatories
4/17/2025	Meta Defendants' Seventh Supplemental and Amended Responses and Objections to Plaintiffs' Second Set of Interrogatories
4/4/2025	Meta Defendants' Sixth Supplemental and Amended Responses and Objections to Plaintiffs' Second Set of Interrogatories
(n.d.)	Miki Rothschild LinkedIn
11/21/2024	Miki Rothschild Third Amended Deposition Cross-Notice for 11/21/2024
10/18/2021	Mott Poll Report. Sharing Too Soon? Children and Social Media Apps.



(n.d.)	National Youth Mental Health Survey 2018: mental health and wellbeing over time
(n.d.)	North Carolina Collaboratory
1/9/2023	Paper presented at Assessment of the Impact of Social Media on the Health and Wellbeing of Children and Adolescents Meeting 1
7/28/2020	Parenting Children in the Age of Screens
12/18/2024	Parent's Guide to Instagram
1/7/2016	Parents, Teens and Digital Monitoring
11/20/2012	Parents, Teens, and Online Privacy
1/25/2024	Parents, young adult children and the transition to adulthood
9/27/2021	Pausing "Instagram Kids" and Building Parental Supervision Tools
(n.d.)	Psychiatry.org - Choosing a Career in Psychiatry
(n.d.)	Puberty and Precocious Puberty
(n.d.)	Pursuing a Career in Clinical or Counseling Psychology
(n.d.)	Pursuing a Career in Developmental Psychology
(n.d.)	Pursuing a Career in Social Psychology
12/7/2021	Raising the Standard for Protecting Teens and Supporting Parents Online
10/13/2022	Regulation 28 Report to Prevent Future Deaths

12/22/2021	Research: How AR Filters Impact People's Self-Image.
(n.d.)	Reviewing Child Sexual Abuse Material Reporting Functions On Popular Platforms.
8/9/2023	Scaling the Instagram Explore Recommendations System
(n.d.)	Social Cognitive and Affective Neuroscience
(n.d.)	Social Media and Teens
(n.d.)	Social Media and Youth Mental Health
1/7/2022	Social Media Could Be a Brain-Changer for Teens
(n.d.)	Social media is changing how children's brains develop, UNC researchers find
1/20/2025	Social Media Rewires Young Minds - Here's How
1/3/2023	Social Media Use Is Linked to Brain Changes in Teens, Research Finds
9/27/2018	Social Media's Impact on Students' Mental Health Comes Into Focus
(n.d.)	State Board of Education Members
5/31/2018	Teens, Social Media & Technology 2018
8/10/2022	Teens, Social Media and Technology 2022
12/11/2023	Teens, Social Media and Technology 2023
11/28/2018	Teens' social media habits and experiences

9/15/2008	The Child's Developing Brain - Interactive
10/28/2019	The Common Sense census: Media use by teens and tweens
6/5/2023	The Whole Story on the Battle Between Tech Giants and Families
12/8/2021	Thinstagram': Instagram's algorithm fuels eating disorder epidemic
12/20/2009	To Deal With Obsession, Some Defriend Facebook
12/31/2023	United States Securities and Exchange Commission Washington, D.C. 20549 FORM 10-K for Meta Platforms, Inc. Annual Report
6/20/2018	Welcome to IGTV, our New Video App
12/13/2021	What Makes TikTok so Addictive?: An Analysis of the Mechanisms Underlying the World's Latest Social Media Craze.
2/7/2023	White House Office of Science and Technology Report on Mental Health Research Priorities
(n.d.)	WHO, Adolescent Health
8/27/2024	Why Many Parents and Teens Think It's Harder Being a Teen Today.
5/24/2023	The challenges teens face on social media seem inescapable. Here's how to moderate their use.
6/12/2024	72% of U.S. high school teachers say cellphone distraction is a major problem in the classroom
4/18/2025	Expert Report of Eva Telzer, Ph.D.
5/16/2025	Expert Report of Eva Telzer, Ph.D.
4/18/2025	Expert Report of Anna Lembke, M.D.

4/18/2025	Expert Report of Dimitri Christakis, M.D., M.P.H.
4/18/2025	Expert Report of Dr. Jean M. Twenge, Ph.D.
4/18/2025	Expert Report of Dr. Kara Bagot, M.D.
4/18/2025	Expert Report of Dr. Ramin Mojtabai, M.D., Ph.D., MPH.
4/18/2025	Expert Report of Dr. Stuart Murray, MSc., DCLinPsych, Ph.D.
4/18/2025	Expert Report of Drew Cingel, Ph.D.
4/18/2025	Expert Report of Gary Goldfield, Ph.D.
4/18/2025	Expert Report of Dr. Randy Auerbach
4/18/2025	Expert Report of Alan L. Berman, Ph.D.
4/18/2025	Expert Report of Dr. Ian Gotlib
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4/18/2025	Expert Report of Dr. Robert Platt
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4/18/2025	Expert Report of Craig Bryan, Psy. D., ABPP
4/18/2025	Expert Report of Adriana Galván, Ph.D.
4/18/2025	Expert Report of Robert D. Gibbons, PhD

4/18/2025	Expert Report of Keith Hampton, PhD
4/18/2025	Expert Report of Daniel P. Keating, PhD
4/18/2025	Expert Report of Kenneth T. Kishida, PhD
4/18/2025	Expert Report of Dr. Scott Patten, MD, PhD
4/18/2025	Expert Report of Terry Schwartz, MD
4/18/2025	Expert Report of Dr. Benjamin Schneider, M.D.
4/18/2025	Expert Report of Professor Nicholas B. Allen, Ph.D.
4/18/2025	Expert Report of Dr. Sonia Lohiya Krishna, MD, FAPA, DFAACAP
4/18/2025	Expert Report of Douglas Tucker, M.D.
4/18/2025	Expert Report of Jeffrey A. Hall, Ph.D.
4/18/2025	Expert Report of Jennifer Pfeifer, Ph.D.
5/16/2025	Expert Rebuttal Report of Dr. Randy Auerbach
5/16/2025	Expert Rebuttal Report of Professor Michael Baiocchi
5/16/2025	Expert Rebuttal Report of Alan L. Berman, Ph.D.
5/16/2025	Expert Rebuttal Report of Dr. Ian Gotlib
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5/16/2025	Expert Rebuttal Report of Robert D. Gibbons, Ph.D.
5/16/2025	Expert Rebuttal Report of Dr. Scott Patten, MD, PhD
5/16/2025	Expert Rebuttal Report of Terry Schwartz, MD
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5/16/2025	Expert Rebuttal Report of Kenneth T. Kishida, PhD
5/16/2025	Expert Rebuttal Report of Craig Bryan, PsyD, ABPP
5/16/2025	Expert Report of Dimitri Christakis, M.D., M.P.H.
5/16/2025	Expert Report of Seth Noar, Ph.D.

5/16/2025	Expert Report of John Chandler, Ph.D.
5/16/2025	Expert Report of Dr. Sharon A. Hoover, PhD
5/16/2025	Expert Report of Dr. Jean M. Twenge, Ph.D.
5/16/2025	Expert Report of Arvind Narayanan, Ph.D.
5/16/2025	Expert Report of Minette Drumwright, Ph.D.
5/16/2025	Expert Report of Brian G. Osborne
5/16/2025	Expert Report of Drew P. Cingel, Ph.D.
5/16/2025	Expert Report of Dr. Stuart Murray, MSc., DClinPsych, Ph.D.
5/16/2025	Expert Report of Brooke Istook
5/16/2025	Expert Report of Gary Goldfield, Ph.D., C. Psych
5/16/2025	Expert Report of Robert W. Johnson
5/16/2025	Expert Report of Anna Lembke, M.D.
5/16/2025	Expert Report of Colin M. Gray, PhD
5/16/2025	Expert Report of Dr. Ramin Mojtabai, M.D., Ph.D., MPH
5/16/2025	Expert Report of Tim Estes
5/16/2025	Expert Report of Dr. Kara Bagot, MD

6/13/2025	Expert Report of Arvind Narayanan, Ph.D.
6/13/2025	Expert Report of Brooke Istook
6/13/2025	Expert Report of Colin M. Gray, PhD
6/13/2025	Expert Report of Jingwen Zhang, Ph.D.
6/13/2025	Expert Report of John Chandler, Ph.D.
6/13/2025	Expert Report of Dr. Kara Bagot, MD - Heaven Moore Case
6/13/2025	Expert Report of Dr. Kara Bagot, MD - K.G.M. Case
6/13/2025	Expert Report of Minette Drumwright, Ph.D.
6/13/2025	Expert Report of Robert W. Johnson
6/13/2025	Expert Report of Sarah T. Roberts, Ph.D.
6/13/2025	Expert Report of Stuart Murray, MSc., DCLinPsych, Ph.D. - Heaven Moore Case
6/13/2025	Expert Report of Tim Estes
6/13/2025	Expert Report of Seth Noar, Ph.D.
6/13/2025	Expert Report of Julian Ackert - K.G.M. Case
6/13/2025	Expert Report of Meredith McCarron
6/13/2025	Expert Report of Meredith McCarron - K.G.M. Case



6/13/2025	Expert Report of Meredith McCarron - Heaven Moore Case
6/11/2025	Expert Report of Dzmitry Asinski, Ph.D. - Heaven Moore Case
6/11/2025	Expert Report of Dzmitry Asinski, Ph.D. - K.G.M. Case
6/13/2025	Expert Report of Dr. Kendra Becker, Ph.D. - K.G.M. Case
6/13/2025	Expert Report of Dr. Kendra Becker, Ph.D. - Heaven Case
6/13/2025	Affirmative Expert Report of Larry Birnbaum
6/13/2025	Expert Report of Dr. Jeremy Birnholtz
6/13/2025	Expert Report of Dr. Timothy Brewerton, MD, DLFAPA, FAED, DFAACAP, CEDS-S - K.G.M. Case
6/13/2025	Expert Report of Dr. Emilio Ferrara
6/9/2025	Expert Report of Erik Hammerquist - H.M. Case
6/9/2025	Expert Report of Erik Hammerquist - K.G.M. Case
6/13/2025	Expert Report of Krista Hayakawa - Heaven Moore Case
6/13/2025	Expert Report of Krista Hayakawa - Karen Glenn Case
6/13/2025	Expert Report of Krista Hayakawa - R.K.C. Case
6/13/2025	Expert Report of Dr. Brandon Johnson - Heaven Moore Case
6/13/2025	Expert Report of Praveen Kambam, MD - K.G.M. Case

6/13/2025	Expert Report of Professor Neil Malhotra, Ph.D.
6/13/2025	Expert Report of Dr. Christ Mattmann
6/13/2025	Affirmative Expert Report of Dr. Nasir Memon
6/13/2025	Expert Report of Dr. Marcus Rogers
6/13/2025	Expert Report of John Starr
6/17/2025	Amended Expert Report of Dr. Jean M. Twenge, Ph.D.
6/20/2025	Expert Report of Dr. Kara Bagot, MD - R.K.C. Case
6/20/2025	Expert Report of Dr. Stuart Murray, MSc., DCLinPsych, Ph.D. - R.K.C. Case
7/10/2025	Expert Rebuttal Report of Dr. Douglas Jacobs, MD - R.K.C. Case
7/10/2025	Expert Report of Praveen Kambam, MD - R.K.C. Case
7/10/2025	Expert Rebuttal Report of Dr. Timothy Brewerton, MD, DLFAPA, FAED, DFAACAP, CEDS-S - R.K.C. Case
5/16/2025	Meta Platforms, Inc. and Instagram LLC's Non-Retained Expert Witness Disclosure
7/9/2025	Expert Report of Dr. Stephen J. Aguilar
7/9/2025	Expert Report of Prof. Nicholas Allen, Ph.D.
7/9/2025	Rebuttal Report of Dr. Randy Auerbach to Personal Injury and School District Plaintiffs' Experts
7/9/2025	Expert Report of Dr. Michael Baiocchi, Ph.D.

7/9/2025	Expert Report of Dr. Alan L. Berman, Ph.D. and Rebuttal to Personal Injury and School District Plaintiffs' Experts
7/9/2025	Expert Report of Lawrence Birnbaum as to Personal Injury and School District Plaintiffs
7/9/2025	Expert Report of Dr. Jeremy Birnholtz and Rebuttal to Personal Injury and School District Experts
7/9/2025	Expert Report of Craig Bryan, Psy.D., ABPP
7/9/2025	Expert Report of Stephen L. Buka, ScD
7/9/2025	Expert Report of Sandeep Chatterjee, Ph.D.
7/9/2025	Expert Report of Dr. Emilio Ferrara and Rebuttal to Personal Injury and School District Experts
7/9/2025	Expert Report of Adriana Galván, Ph.D.
7/9/2025	Expert Report of Robert D. Gibbons, Ph.D.
7/9/2025	Expert Report of Dr. Ian Gotlib and Rebuttal to Personal Injury and School District Plaintiffs' Experts
7/9/2025	Expert Report of Jeffrey A. Hall, Ph.D.
7/9/2025	Expert Report of Dr. Keith Hampton, Ph.D.
7/9/2025	Meta Defendants' Disclosure of Non-Retained Expert Witness Pursuant to Fed. R. Civ. P. 26(a)(2)(C)
7/9/2025	Expert Report of Dr. Sarah Morsbach Honaker, Ph.D., HSPP, DBSM and Rebuttal to Personal Injury and School District Plaintiffs' Experts
7/9/2025	Expert Report of Ethan L. Hutt
7/9/2025	Expert Report of Daniel P. Keating, Ph.D.

7/9/2025	Expert Report of Kevin Lane Keller, Ph.D.
7/9/2025	Expert Report of Kendra Becker, Ph.D.
7/9/2025	Expert Report of Kenneth T. Kishida, Ph.D.
7/9/2025	Expert Report of Mallory Knodel
7/9/2025	Expert Report of Professor Neil Malhotra, Ph.D.
7/9/2025	Rebuttal Expert Report of Dr. Chris Mattmann
7/9/2025	Rebuttal Expert Report of Dr. Nasir Memon
7/9/2025	Rebuttal Expert Report of Ayşe Yeşim Orhun, Ph.D.
7/9/2025	Expert Report of Dr. Scott Patten, MD, Ph.D.
7/9/2025	Opening Expert Report of Jennifer Pfeifer, Ph.D.
7/9/2025	Expert Report of Dr. Robert Platt and Rebuttal to Personal Injury and School District Experts
7/9/2025	Rebuttal Expert Report of Dr. Marcus Rogers
7/9/2025	Expert Report of Peter Rossi, Ph.D.
7/9/2025	Expert Report of Terry Schwartz, MD
7/9/2025	Expert Report of Matthew J. Shear, MD, MPH and Rebuttal to Personal Injury and School District Plaintiffs' Experts
7/9/2025	Rebuttal Expert Report of John Starr

7/9/2025	Expert Report of Douglas Tucker, M.D.
7/9/2025	Expert Report of Diana Wildermuth, Ph.D., LPC, NCC, CCTP-II
7/11/2025	Expert Report of Dr. Stephen J. Aguilar for Breathitt County School District
7/11/2025	Expert Report of Dr. Stephen J. Aguilar for Charleston County School District
7/11/2025	Expert Report of Dr. Stephen J. Aguilar for DeKalb County School District
7/11/2025	Expert Report of Dr. Stephen J. Aguilar for Harford County Public Schools
7/11/2025	Expert Report of Dr. Stephen J. Aguilar for Irvington Public Schools
7/11/2025	Expert Report of Dr. Stephen J. Aguilar for Tucson Unified School District
7/11/2025	Expert Report of Darius Lakdawalla, Ph.D. (Breathitt)
7/11/2025	Expert Report of Darius Lakdawalla, Ph.D. (Charleston)
7/11/2025	Expert Report of Darius Lakdawalla, Ph.D. (Harford)
7/11/2025	Expert Report of Darius Lakdawalla, Ph.D. (Tucson)
7/11/2025	Expert Report of Joshua Hyman, Ph.D. (DeKalb)
7/11/2025	Expert Report of Joshua Hyman, Ph.D. (Irvington)
7/11/2025	Expert Report of Robert G. Nelson, Ed.D. for Breathitt County Schools
7/11/2025	Expert Report of Robert G. Nelson, Ed.D. for Charleston County School District

4/1/2024	APA - Potential Risks of Content, Features, and Functions
12/15/2022	TikTok bombards teens with self harm and eating disorder content within minutes of joining the platform
(n.d.)	Neurobiological Sensitivity to Social Rewards and Punishments Moderates Link Between Peer Norms and Adolescent Risk Taking
7/4/2025	Filling Jobs, and Bridging the Blue-Collar Gap
4/1/2024	APA - Teens are spending nearly 5 hours daily on social media. Here are the mental health outcomes
3/12/2025	APA - What is Social Media?
5/1/2023	APA - Health advisory on social media use in adolescence
3/6/2025	APA - What is Social Media Addiction?   APAF
10/22/2020	Addictive behaviors - Gaming disorder
4/4/2024	ASAM Annual Conference - Youth and Social Media: Connections to Addiction and Mental Illness
6/27/2025	Ofcom - Children's Passive Online Measurement

Defendant	Witness	Date	Description
Snap	Abby Tran	2/26/2025	Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 1 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 2 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 3 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 4 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 5 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 6 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 7 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 8 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 9 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 10 to Deposition Transcript of Abby Tran
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Snap	Abby Tran	2/26/2025	Exhibit 14 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 15 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 16 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 17 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 18 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 19 to Deposition Transcript of Abby Tran

Snap	Abby Tran	2/26/2025	Exhibit 20 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 21 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 22 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 23 to Deposition Transcript of Abby Tran
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Snap	Abby Tran	2/26/2025	Exhibit 29 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 30 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 31 to Deposition Transcript of Abby Tran
Meta	Adam Mosseri	3/17/2025	Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 1 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 2 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 3 to Deposition Transcript of Adam Mosseri
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Meta	Adam Mosseri	3/17/2025	Exhibit 31 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 32 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 33 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 34 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 35 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 36 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 37 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 38 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 39 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 40 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 41 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 42 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 43 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 44 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 45 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 46 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Deposition Transcript of Adam Mosseri

Meta	Adam Mosseri	3/18/2025	Exhibit 47 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 48 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 49 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 50 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 51 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 52 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 53 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 54 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 55 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 56 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 57 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 58 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 59 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 60 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 61 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 62 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 63 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 64 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 65 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 66 to Deposition Transcript of Adam Mosseri

Meta	Adam Mosseri	3/18/2025	Exhibit 67 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 68 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 69 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 70 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 71 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 72 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 73 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 74 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 75 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 76 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 77 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 78 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 79 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 80 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 81 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 82 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 83 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 84 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 85 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 86 to Deposition Transcript of Adam Mosseri

Meta	Adam Mosseri	3/18/2025	Exhibit 87 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 88 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 89 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 90 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 91 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 92 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 93 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 94 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 95 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 96 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 97 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 98 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 99 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 100 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 101 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 102 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 103 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 104 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 105 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 106 to Deposition Transcript of Adam Mosseri

Meta	Adam Mosseri	3/18/2025	Exhibit 107 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 108 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 109 to Deposition Transcript of Adam Mosseri
YouTube	Adi Jain	3/21/2025	Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 1 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 2 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 3 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 4 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 5 to Deposition Transcript of Adi Jain 30(b)(6)
Meta	Adriana Galván	7/15/2025	Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 1 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 2 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 3 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 4 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 5 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 6 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 7 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 8 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 9 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 10 to Deposition Transcript of Adriana Galván

Meta	Adriana Galván	7/15/2025	Exhibit 11 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 12 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 13 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 14 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 15 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 16 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 17 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 18 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 19 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 20 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 21 to Deposition Transcript of Adriana Galván
Meta	Adriana Galván	7/15/2025	Exhibit 22 to Deposition Transcript of Adriana Galván
Snap	Alex Osborne	1/10/2025	Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 1 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 2 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 3 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 4 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 5 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 6 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 7 to Deposition Transcript of Alex Osborne



Snap	Alex Osborne	1/10/2025	Exhibit 8 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 9 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 10 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 11 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 12 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 13 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 14 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 15 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 16 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 17 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 18 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 19 to Deposition Transcript of Alex Osborne
YouTube	Alice Wu Paulus	1/29/2025	Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 1 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 2 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 3 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 4 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 5 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 6 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 7 to Deposition Transcript of Alice Wu Paulus



YouTube	Alice Wu Paulus	1/29/2025	Exhibit 8 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 9 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 10 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 11 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 12 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 13 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 14 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 15 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 16 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 17 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 18 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 19 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 20 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 21 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 22 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 23 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 24 to Deposition Transcript of Alice Wu Paulus
Meta		2/6/2025	
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Snap	Althea Tupper	11/14/2024	Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 1 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 2 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 3 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 4 to Deposition Transcript of Althea Tupper

Snap	Althea Tupper	11/14/2024	Exhibit 5 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 6 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 7 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 8 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 9 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 10 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 11 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 12 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 13 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 14 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 15 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 16 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 17 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 18 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 19 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 20 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 21 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 22 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 23 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 24 to Deposition Transcript of Althea Tupper

Snap	Althea Tupper	11/14/2024	Exhibit 25 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 26 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 27 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 28 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 29 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 30 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 31 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 32 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 33 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 34 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 35 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 36 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 37 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 38 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 39 to Deposition Transcript of Althea Tupper
Meta	Arturo Bejar	4/7/2025	Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 1 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 2 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 3 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 4 to Deposition Transcript of Arturo Bejar

Meta	Arturo Bejar	4/7/2025	Exhibit 5 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 6 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 7 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 8 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 9 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 10 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 11 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 12 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 13 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 14 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 15 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 16 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 17 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 18 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 19 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 20 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 21 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 22 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 23 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 24 to Deposition Transcript of Arturo Bejar

Meta	Arturo Bejar	4/7/2025	Exhibit 25 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 26 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 27 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 28 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 29 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 30 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 31 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 32 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 33 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 34 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 35 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 36 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 37 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 38 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 39 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 40 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 41 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 42 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 43 to Deposition Transcript of Arturo Bejar

Meta	Arturo Bejar	4/8/2025	Exhibit 44 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 45 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 46 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 47 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 48 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 49 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 50 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 51 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 52 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 53 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 54 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 55 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 56 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 57 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 58 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 59 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 60 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 61 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 62 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 63 to Deposition Transcript of Arturo Bejar



Meta	Arturo Bejar	4/8/2025	Exhibit 64 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 65 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 66 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 67 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 68 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 69 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 70 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 71 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 72 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 73 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 74 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 75 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 76 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 77 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 78 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 79 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 80 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 81 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 82 to Deposition Transcript of Arturo Bejar

Meta	Arturo Bejar	4/9/2025	Exhibit 83 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 84 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 85 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 86 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 87 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 88 to Deposition Transcript of Arturo Bejar
Meta	Aza Raskin	3/17/2025	Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 1 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 2 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 3 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 4 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 5 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 6 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 7 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 8 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 9 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 10 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 11 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 12 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 13 to Deposition Transcript of Aza Raskin

Meta	Aza Raskin	3/17/2025	Exhibit 14 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 15 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 16 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 17 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 18 to Deposition Transcript of Aza Raskin
YouTube	Caitlin Niedermeyer	3/13/2025	Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 1 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 2 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 3 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 4 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 5 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 6 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 7 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 8 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 9 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 10 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 11 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 12 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	3/13/2025	Exhibit 13 to Deposition Transcript of Caitlin Niedermeyer
YouTube	Caitlin Niedermeyer	4/16/2025	Deposition Transcript of Caitlin Niedermeyer 30(b)(6)

YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 1 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 2 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 3 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 4 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 5 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 6 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 7 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 8 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
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Snap	Claudia Chan	2/7/2025	Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 1 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 2 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 3 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 4 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 5 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 6 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 7 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 8 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 9 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 10 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 11 to Deposition Transcript of Claudia Chan

Snap	Claudia Chan	2/7/2025	Exhibit 12 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 13 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 14 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 15 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 16 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 17 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 18 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 19 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 20 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 21 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 22 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 23 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 24 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 25 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 26 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 27 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 28 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 29 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 30 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 31 to Deposition Transcript of Claudia Chan

Snap	Claudia Chan	2/7/2025	Exhibit 32 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 33 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 34 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 35 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 36 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 37 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 38 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 39 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 40 to Deposition Transcript of Claudia Chan
TikTok	Cormac Keenan	3/25/2025	Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 1 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 2 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 3 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 4 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 5 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 6 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 7 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 8 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 9 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 10 to Deposition Transcript of Cormac Keenan



TikTok	Cormac Keenan	3/25/2025	Exhibit 11 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 12 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 14 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 15 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 16 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 17 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 18 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 19 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 20 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 21 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 22 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 23 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 24 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 25 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 26 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 27 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 28 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 29 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 30 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 31 to Deposition Transcript of Cormac Keenan

TikTok	Cormac Keenan	3/25/2025	Exhibit 32 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 33 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 34 to Deposition Transcript of Cormac Keenan
YouTube	Cristos Goodrow	2/19/2025	Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 1 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 2 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 3 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 4 to Deposition Transcript of Cristos Goodrow
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YouTube	Cristos Goodrow	2/19/2025	Exhibit 11 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 12 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 13 to Deposition Transcript of Cristos Goodrow
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YouTube	Cristos Goodrow	2/19/2025	Exhibit 16 to Deposition Transcript of Cristos Goodrow
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YouTube	Cristos Goodrow	2/19/2025	Exhibit 26 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 27 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Deposition Transcripts and Exhibits of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 28 to Deposition Transcript of Cristos Goodrow
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YouTube	Cristos Goodrow	2/20/2025	Exhibit 30 to Deposition Transcript of Cristos Goodrow
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YouTube	Cristos Goodrow	2/20/2025	Exhibit 32 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 33 to Deposition Transcript of Cristos Goodrow
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YouTube	Cristos Goodrow	2/20/2025	Exhibit 42 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 43 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 44 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 45 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 46 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 47 to Deposition Transcript of Cristos Goodrow
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Snap	David Boyle	2/26/2025	Exhibit 1 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 2 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 3 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 4 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 5 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 6 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 7 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 8 to Deposition Transcript of David Boyle 30(b)(6)



Snap	David Boyle	2/26/2025	Exhibit 9 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 10 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 11 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 12 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 13 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 14 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 15 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 16 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 17 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 18 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 19 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 20 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 21 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 22 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/27/2025	Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 1 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 2 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 3 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 4 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 5 to Deposition Transcript of David Boyle

Snap	David Boyle	2/27/2025	Exhibit 6 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 7 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 8 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 9 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 10 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 10-1 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 11 to Deposition Transcript of David Boyle
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Snap	David Boyle	2/27/2025	Exhibit 14 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 15 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 16 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Deposition Transcripts of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 17 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 18 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 19 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 20 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 21 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 22 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 23 to Deposition Transcript of David Boyle

Snap	David Boyle	4/2/2025	Exhibit 24 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 25 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 26 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 27 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 28 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 29 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 30 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 31 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 32 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 33 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 34 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 35 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 36 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 37 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 38 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 39 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 40 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 41 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 42 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 43 to Deposition Transcript of David Boyle

Snap	David Boyle	4/2/2025	Exhibit 44 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 45 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 46 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 47 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 48 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 49 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 50 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 51 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit PM-6 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit PM-7 to Deposition Transcript of David Boyle
Snap	David Boyle	2/26/2025	Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-A to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-B to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-C to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-D to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-E to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Lue	3/26/2025	Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 1 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 2 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 3 to Deposition Transcript of David Lue

Snap	David Lue	3/26/2025	Exhibit 4 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 5 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 6 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 7 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 8 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 9 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 10 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 11 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 12 to Deposition Transcript of David Lue
Snap	Deborah Oshuntola	2/4/2025	Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 1 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 2 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 3 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 4 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 5 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 6 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 7 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 8 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 9 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 10 to Deposition Transcript of Deborah Oshuntola

Snap	Deborah Oshuntola	2/4/2025	Exhibit 11 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 12 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 13 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 14 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 15 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 16 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 17 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 18 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 19 to Deposition Transcript of Deborah Oshuntola
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Page 1113 of 1244

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TikTok	Drew Kirchoff	3/16/2025	Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 1 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 2 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3A to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3B to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3C to Deposition Transcript of Drew Kirchoff



TikTok	Drew Kirchoff	3/16/2025	Exhibit 3D to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3E to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3F to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3G to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3H to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3I to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3J to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3K to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3L to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 4 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 5 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6A to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6B to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6C to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6D to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6E to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 7 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 8 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 9 to Deposition Transcript of Drew Kirchoff
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TikTok	Drew Kirchoff	3/16/2025	Exhibit 11 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 12 to Deposition Transcript of Drew Kirchoff
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TikTok	Drew Kirchoff	3/16/2025	Exhibit 16 to Deposition Transcript of Drew Kirchoff
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TikTok	Drew Kirchoff	3/16/2025	Exhibit 31 to Deposition Transcript of Drew Kirchoff
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TikTok	Drew Kirchoff	3/16/2025	Exhibit 41 to Deposition Transcript of Drew Kirchoff
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TikTok	Emma Gribbon	2/24/2025	Deposition Transcript of Emma Gribbon
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TikTok	Emma Gribbon	2/24/2025	Exhibit 2 to Deposition Transcript of Emma Gribbon
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TikTok	Emma Gribbon	2/24/2025	Exhibit 27 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 28 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 29 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 30 to Deposition Transcript of Emma Gribbon
TikTok	Eric Ebenstein	3/11/2025	Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 1 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 2 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 4 to Deposition Transcript of Eric Ebenstein
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TikTok	Eric Ebenstein	3/11/2025	Exhibit 45 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 46 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 47 to Deposition Transcript of Eric Ebenstein
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TikTok	Eric Ebenstein	3/11/2025	Exhibit 49 to Deposition Transcript of Eric Ebenstein
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TikTok	Eric Ebenstein	3/11/2025	Exhibit 51 to Deposition Transcript of Eric Ebenstein
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TikTok	Eric Ebenstein	3/11/2025	Exhibit 53 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 54 to Deposition Transcript of Eric Ebenstein
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TikTok	Eric Ebenstein	3/12/2025	Exhibit 84 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Han	3/11/2025	Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 1 to Deposition Transcript of Eric Han
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TikTok	Eric Han	3/12/2025	Exhibit 64 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 65 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 66 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 67 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 68 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 69 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 70 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 71 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 72 to Deposition Transcript of Eric Han
YouTube	Erin Turner	1/22/2025	Deposition Transcript of Erin Turner

YouTube	Erin Turner	1/22/2025	Exhibit 1 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 2 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 3 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 4 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 5 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 6 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 7 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 8 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 9 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 10 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 11 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 12 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 13 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 14 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 15 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 16 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 17 to Deposition Transcript of Erin Turner
YouTube	Fred Gilbert	2/20/2025	Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 1 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 2 to Deposition Transcript of Fred Gilbert

YouTube	Fred Gilbert	2/20/2025	Exhibit 3 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 4 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 5 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 6 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 7 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 8 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 9 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 10 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 12 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 13 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 14 to Deposition Transcript of Fred Gilbert
Google	Garth Graham	3/5/2025	Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 1 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 2 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 3 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 4 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 5 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 6 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 7 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 8 to Deposition Transcript of Garth Graham



Google	Garth Graham	3/5/2025	Exhibit 9 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 10 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 11 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 12 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 13 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 14 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 15 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 16 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 17 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 18 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 19 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 20 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 21 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 22 to Deposition Transcript of Garth Graham
Meta		12/16/2024	
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Meta		12/16/2024	
Meta		12/16/2024	
Meta	Guy Rosen	2/19/2025	Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 1 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 2 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 3 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 4 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 5 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 6 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 7 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 8 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 9 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 10 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 11 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 12 to Deposition Transcript of Guy Rosen

Meta	Guy Rosen	2/20/2025	Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 13 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 14 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 15 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 16 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 17 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 18 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 19 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 20 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 21 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 22 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 23 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 24 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 25 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 26 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 27 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 28 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 29 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 30 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 31 to Deposition Transcript of Guy Rosen

Meta	Guy Rosen	2/20/2025	Exhibit 32 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 33 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 34 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 35 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 36 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 37 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 38 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 39 to Deposition Transcript of Guy Rosen
Snap	Jack Brody	2/5/2025	Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 1 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 2 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 3 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 4 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 5 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 6 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 7 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 8 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 9 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 10 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 11 to Deposition Transcript of Jack Brody

Snap	Jack Brody	2/5/2025	Exhibit 12 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 13 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 14 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 15 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 16 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 17 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 18 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 19 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 20 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 21 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 22 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 23 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 24 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 25 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 26 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 27 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 28 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 29 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 30 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 31 to Deposition Transcript of Jack Brody

Snap	Jack Brody	2/5/2025	Exhibit 32 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 33 to Deposition Transcript of Jack Brody
Snap	Jacqueline Beauchere	3/13/2025	Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 1 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 2 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 3 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 4 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 5 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 6 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 7 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 8 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 9 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 10 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 11 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 12 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 13 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 14 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 15 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 16 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 17 to Deposition Transcript of Jacqueline Beauchere

Snap	Jacqueline Beauchere	3/13/2025	Exhibit 18 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 19 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 20 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 21 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 22 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 23 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 24 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 25 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 26 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 27 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 28 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 29 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 30 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 31 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 32 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 33 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 34 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 35 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 36 to Deposition Transcript of Jacqueline Beauchere



Snap	Jacqueline Beauchere	3/14/2025	Exhibit 37 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 38 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 39 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 40 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 41 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 42 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 43 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 44 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 45 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 46 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 47 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 48 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 49 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 50 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 51 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 52 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 53 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 54 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 55 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 56 to Deposition Transcript of Jacqueline Beauchere



Snap	Jacqueline Beauchere	3/14/2025	Exhibit 57 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 58 to Deposition Transcript of Jacqueline Beauchere
Google	James Beser	4/2/2025	Deposition Transcripts of James Beser
Google	James Beser	4/2/2025	Exhibit 1 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 2 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 3 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 4 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 5 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 6 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 7 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 8 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 9 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 10 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 11 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 12 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 13 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 14 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 15 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 16 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 17 to Deposition Transcript of James Beser

Google	James Beser	4/2/2025	Exhibit 18 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 19 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 20 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 21 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 22 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 23 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 24 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 25 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 26 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 27 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 28 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 29 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 30 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 31 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 32 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 33 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 34 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 35 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 36 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 37 to Deposition Transcript of James Beser

Google	James Beser	4/2/2025	Exhibit 38 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Deposition Transcripts of James Beser
Google	James Beser	4/3/2025	Exhibit 39 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 40 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 41 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 42 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 43 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 44 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 45 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 46 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 47 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 48 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 49 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 50 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 51 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 52 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 53 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 54 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 55 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 56 to Deposition Transcript of James Beser

Google	James Beser	4/3/2025	Exhibit 57 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 58 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 59 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 60 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 61 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 62 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 63 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 64 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 65 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 66 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 67 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 68 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 69 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 70 to Deposition Transcript of James Beser
Google	James Beser	4/9/2025	Deposition Transcript of James Beser 30)(b)(6)
Google	James Beser	4/9/2025	Exhibit 1 to Deposition Transcript of James Beser 30)(b)(6)
Google	James Beser	4/9/2025	Exhibit 2 to Deposition Transcript of James Beser 30)(b)(6)
Google	James Beser	4/9/2025	Exhibit 3 to Deposition Transcript of James Beser 30)(b)(6)
Google	James Beser	4/9/2025	Exhibit 4 to Deposition Transcript of James Beser 30)(b)(6)
Google	James Beser	4/9/2025	Exhibit 5 to Deposition Transcript of James Beser 30)(b)(6)

Snap	Jeb Boniakowski	3/20/2025	Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 1 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 2 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 3 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 4 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 5 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 6 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 7 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 8 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 9 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 10 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 11 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 12 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 13 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 15 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 16 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 17 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 18 to Deposition Transcript of Jeb Boniakowski
Meta		11/14/2024	
Meta		11/14/2024	



Page 1145 of 1244

YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 3 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 4 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 5 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 6 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 7 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 8 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 9 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 10 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 11 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 12 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 13 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 14 to Deposition Transcript of Jennifer Pfeifer
YouTube	Jennifer Pfeifer	6/26/2025	Exhibit 15 to Deposition Transcript of Jennifer Pfeifer
Snap	Jennifer Stout	3/26/2025	Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 1 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 2 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 3 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 4 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 5 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 6 to Deposition Transcript of Jennifer Stout



Snap	Jennifer Stout	3/26/2025	Exhibit 7 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 8 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 9 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 10 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 11 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 12 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 13 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 14 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 15 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 16 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 17 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 18 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 19 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 20 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 21 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 22 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 23 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 24 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 25 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Deposition Transcript of Jennifer Stout

Snap	Jennifer Stout	3/27/2025	Exhibit 26 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 27 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 28 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 29 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 30 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 31 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 32 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 33 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 34 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 35 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 36 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 37 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 38 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 39 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 40 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 41 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 42 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 43 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 44 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 45 to Deposition Transcript of Jennifer Stout

Snap	Jennifer Stout	3/27/2025	Exhibit 46 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 47 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 48 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 49 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 50 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 51 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 52 to Deposition Transcript of Jennifer Stout
Google	Jessica Dzuban	2/26/2025	Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 1 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 2 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 3 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 4 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 5 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 6 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 7 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 8 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 9 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 10 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 12 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 13 to Deposition Transcript of Jessica Dzuban

Google	Jessica Dzuban	2/26/2025	Exhibit 14 to Deposition Transcript of Jessica Dzuban
TikTok	Jordan Furlong	4/11/2025	Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 1 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 2 to Deposition Transcript of Jordan Furlong
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TikTok	Jordan Furlong	4/11/2025	Exhibit 23a to Deposition Transcript of Jordan Furlong
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TikTok	Jordan Furlong	4/12/2025	Exhibit 72a to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 72b to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 72c to Deposition Transcript of Jordan Furlong
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TikTok	Jordan Furlong	4/12/2025	Exhibit 77a to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77b to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77c to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77d to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77e to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77f to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77g to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77h to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 78 to Deposition Transcript of Jordan Furlong
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TikTok	Jordan Furlong	4/12/2025	Exhibit 83 to Deposition Transcript of Jordan Furlong
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TikTok	Jordan Furlong	4/12/2025	Exhibit 94 to Deposition Transcript of Jordan Furlong
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TikTok	Jordan Furlong	4/12/2025	Exhibit 96 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 97 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 98 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 99 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 100 to Deposition Transcript of Jordan Furlong
Snap	Josh Siegel	3/20/2025	Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 1 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 2 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 3 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 4 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 5 to Deposition Transcript of Josh Siegel

Snap	Josh Siegel	3/20/2025	Exhibit 6 to Deposition Transcript of Josh Siegel
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Snap	Josh Siegel	3/20/2025	Exhibit 22 to Deposition Transcript of Josh Siegel
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Snap	Josh Siegel	3/20/2025	Exhibit 24 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 25 to Deposition Transcript of Josh Siegel

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Snap	Josh Siegel	3/20/2025	Exhibit 27 to Deposition Transcript of Josh Siegel
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Snap	Josh Siegel	3/20/2025	Exhibit 41 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 42 to Deposition Transcript of Josh Siegel
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Snap	Josh Siegel	3/20/2025	Exhibit 44 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 45 to Deposition Transcript of Josh Siegel

Snap	Josh Siegel	3/20/2025	Exhibit 46 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 47 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 48 to Deposition Transcript of Josh Siegel
TikTok	Julie De Balliencourt	3/27/2025	Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 1 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 2 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 3 to Deposition Transcript of Julie De Bailliencourt
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TikTok	Julie De Balliencourt	3/27/2025	Exhibit 6 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 7 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 8 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 9 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 10 to Deposition Transcript of Julie De Bailliencourt
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TikTok	Julie De Balliencourt	3/27/2025	Exhibit 29 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 30 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 31 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 32 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 33 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 34 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 35 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 36 to Deposition Transcript of Julie De Bailliencourt

TikTok	Julie De Baillencourt	3/27/2025	Exhibit 37 to Deposition Transcript of Julie De Baillencourt
TikTok	Julie De Baillencourt	3/27/2025	Exhibit 38 to Deposition Transcript of Julie De Baillencourt
TikTok	Julie De Baillencourt	3/27/2025	Exhibit 39 to Deposition Transcript of Julie De Baillencourt
TikTok	Julie De Baillencourt	3/27/2025	Exhibit 40 to Deposition Transcript of Julie De Baillencourt
TikTok	Julie De Baillencourt	3/27/2025	Exhibit 41 to Deposition Transcript of Julie De Baillencourt
TikTok	Julie De Baillencourt	3/27/2025	Exhibit 42 to Deposition Transcript of Julie De Baillencourt
Snap	Juliet Shen	3/4/2025	Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 1 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 2 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 3 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 4 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 5 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 6 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 7 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 8 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 9 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 10 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 11 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 12 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 13 to Deposition Transcript of Juliet Shen

Snap	Juliet Shen	3/4/2025	Exhibit 14 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 15 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 16 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 17 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 18 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 19 to Deposition Transcript of Juliet Shen
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Snap	Juliet Shen	3/4/2025	Exhibit 21 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 22 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 23 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 24 to Deposition Transcript of Juliet Shen
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Google	Jyoti Ramnath	11/19/2024	Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 1 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 2 to Deposition Transcript of Jyoti Ramnath
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Google	Jyoti Ramnath	11/19/2024	Exhibit 4 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 5 to Deposition Transcript of Jyoti Ramnath
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Google	Jyoti Ramnath	11/19/2024	Exhibit 10 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 11 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 12 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 13 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 14 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 15 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 16 to Deposition Transcript of Jyoti Ramnath

Google	Jyoti Ramnath	11/19/2024	Exhibit 17 to Deposition Transcript of Jyoti Ramnath
Snap	Kale Zicafoose	12/4/2024	Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 1 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 2 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 3 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 4 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 5 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 6 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 7 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 8 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 9 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 10 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 11 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 12 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 13 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 14 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 15 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 16 to Deposition Transcript of Kale Zicafoose
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Meta		2/28/2025	
YouTube	Katharina Ostergaard	1/15/2025	Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 1 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 2 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 3 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 4 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 5 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 6 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 7 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 8 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 9 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 10 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 11 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 12 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 13 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 14 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 15 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 16 to Deposition Transcript of Katharina Ostergaard
N/A	Kenneth Kishida	7/2/2025	Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 1 to Deposition Transcript of Kenneth Kishida

N/A	Kenneth Kishida	7/2/2025	Exhibit 2 to Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 3 to Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 4 to Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 5 to Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 6 to Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 7 to Deposition Transcript of Kenneth Kishida
N/A	Kenneth Kishida	7/2/2025	Exhibit 8 to Deposition Transcript of Kenneth Kishida
Meta	Kristin Hendrix	1/23/2025	Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 1 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 2 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 3 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 4 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 5 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 6 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 7 to Deposition Transcript of Kristin Hendrix
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Meta	Kristin Hendrix	1/22/2025	Exhibit 9 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 10 to Deposition Transcript of Kristin Hendrix
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Meta	Kristin Hendrix	1/23/2025	Exhibit 15 to Deposition Transcript of Kristin Hendrix
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Meta	Kristin Hendrix	1/23/2025	Exhibit 25 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 26 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 27 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 28 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 29 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 30 to Deposition Transcript of Kristin Hendrix
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Meta	Kristin Hendrix	1/23/2025	Exhibit 32 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 33 to Deposition Transcript of Kristin Hendrix
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Meta	Kristin Hendrix	1/23/2025	Exhibit 35 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 36 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 37 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 38 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 39 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 40 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 41 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 42 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 43 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 44 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 45 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 46 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 47 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 48 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 49 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 50 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 51 to Deposition Transcript of Kristin Hendrix

Meta	Kristin Hendrix	1/23/2025	Exhibit 52 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 53 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 54 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 55 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 56 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 57 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 58 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 59 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 60 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 61 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 62 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 63 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 64 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 65 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 66 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 67 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 68 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 69 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 70 to Deposition Transcript of Kristin Hendrix
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Snap	Lauryl Schraedly	1/24/2025	Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 1 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 2 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 3 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 4 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 5 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 6 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 7 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 8 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 9 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 10 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 11 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 12 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 13 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 14 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 15 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 16 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 17 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 18 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 19 to Deposition Transcript of Lauryl Schraedly

Snap	Lauryl Schraedly	1/24/2025	Exhibit 20 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 21 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 22 to Deposition Transcript of Lauryl Schraedly
Snap	Lisa Duron	5/1/2024	Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 1 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 2 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 3 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 4 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 5 to Deposition Transcript of Lisa Duron 30(b)(6)
Meta	Lotte Rubaek	4/1/2025	Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 1 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 2 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 3 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 4 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 5 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 6 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 7 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 8 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 9 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 10 to Deposition Transcript of Lotte Rubaek

Meta	Lotte Rubaek	4/1/2025	Exhibit 11 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 12 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 13 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 14 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 15 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	7/8/2025	Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	7/8/2025	Exhibit 1 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	7/8/2025	Exhibit 2 to Deposition Transcript of Lotte Rubaek
Meta		10/21/2024	
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Meta		3/27/2025	
Meta	Mark Zuckerberg	3/27/2025	Exhibit 1 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 2 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 3 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 4 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 5 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 6 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 7 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 8 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 9 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 10 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 11 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 12 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 13 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 14 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 15 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 16 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 17 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 18 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 19 to Deposition Transcript of Mark Zuckerberg



Meta	Mark Zuckerberg	3/27/2025	Exhibit 20 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 21 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 22 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 23 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 24 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 25 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 26 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 27 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 28 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 29 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 30 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 31 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 32 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 33 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 34 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 35 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 36 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 37 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 38 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 39 to Deposition Transcript of Mark Zuckerberg

Meta	Mark Zuckerberg	3/27/2025	Exhibit 40 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 41 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 42 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 43 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 44 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 45 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 46 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 47 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 48 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 49 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 50 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 51 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 52 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 53 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 54 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 55 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 56 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 57 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 58 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 59 to Deposition Transcript of Mark Zuckerberg

Meta	Mark Zuckerberg	3/27/2025	Exhibit 60 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 61 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 62 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 63 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 64 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 65 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 66 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 67 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 68 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 69 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 70 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 71 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 72 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 73 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 74 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 75 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 76 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 77 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 78 to Deposition Transcript of Mark Zuckerberg

Meta	Mark Zuckerberg	3/28/2025	Exhibit 79 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 80 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 81 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 82 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 83 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 84 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 85 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 86 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 87 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 88 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 89 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 90 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 91 to Deposition Transcript of Mark Zuckerberg
YouTube	Matt Fischer-Colbrie	3/7/2025	Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 1 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 2 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 3 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 4 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 5 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 6 to Deposition Transcript of Matt Fischer-Colbrie

YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 7 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 8 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 9 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 10 to Deposition Transcript of Matt Fischer-Colbrie
Google	Matt Halprin	2/11/2025	Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 1 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 2 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 3 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 4 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 5 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 6 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 7 to Deposition Transcript of Matt Halprin
Snap	Matthew Jackson	11/19/2024	Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 1 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 2 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 3 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 4 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 5 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 6 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 7 to Deposition Transcript of Matthew Jackson 30(b)(6)

Snap	Matthew Jackson	11/19/2024	Exhibit 8 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 9 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 10 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 11 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 12 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 13 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 14 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 15 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 16 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 17 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 18 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 19 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 20 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 21 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 22 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 23 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 24 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 25 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 26 to Deposition Transcript of Matthew Jackson 30(b)(6)
TikTok	Matthew Tenenbaum	1/28/2025	Deposition Transcript of Matthew Tenenbaum

TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 1 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 2 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 3 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 4 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 5 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 6 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 7 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 8 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 9 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 11 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 12 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 13 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 14 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 15 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 16 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 17 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 18 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 19 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 20 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 21 to Deposition Transcript of Matthew Tenenbaum



TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 22 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 23 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 24 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 25 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 26 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 27 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 30 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 31 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 32 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 33 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 34 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 35 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 36 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 37 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 38 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 39 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 40 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 41 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 42 to Deposition Transcript of Matthew Tenenbaum



TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 43 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 44 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 45 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 46 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 47 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 48 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 49 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 50 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 51 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 52 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 53 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 54 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit PM7 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit PM34 to Deposition Transcript of Matthew Tenenbaum
Meta	Michael Rothschild	1/21/2025	Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 1 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 2 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 3 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 4 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 5 to Deposition Transcript of Michael Rothschild

Meta	Michael Rothschild	1/21/2025	Exhibit 6 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 7 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 8 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 9 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 10 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 11 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 12 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 13 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 14 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 15 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 16 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 17 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 18 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 19 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 20 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 21 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 22 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 23 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 24 to Deposition Transcript of Michael Rothschild

Meta	Michael Rothschild	1/22/2025	Exhibit 25 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 26 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 27 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 28 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 29 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 30 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 31 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 32 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 33 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 34 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 35 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 36 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 37 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 38 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 39 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 40 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 41 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 42 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 43 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 44 to Deposition Transcript of Michael Rothschild

Meta	Michael Rothschild	1/22/2025	Exhibit 45 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 46 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 47 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 48 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 49 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 50 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 51 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 52 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 53 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 54 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 55 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 56 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 57 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 58 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 59 to Deposition Transcript of Michael Rothschild
Snap	Michael Weissinger	12/18/2024	Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 1 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 2 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 3 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 4 to Deposition Transcript of Michael Weissinger

Snap	Michael Weissinger	12/18/2024	Exhibit 5 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 6 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 7 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 8 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 9 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 10 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 11 to Deposition Transcript of Michael Weissinger
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Snap	Michael Weissinger	12/18/2024	Exhibit 18 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 19 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 20 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 21 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 22 to Deposition Transcript of Michael Weissinger
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Page 1201 of 1244

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Meta		1/29/2025	
Snap	Morgan Hammerstrom	2/12/2025	Deposition Transcript of Morgan Hammerstrom
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Snap	Morgan Hammerstrom	2/12/2025	Exhibit 2 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 3 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 4 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 5 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 6 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 7 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 8 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 9 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 10 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 11 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 12 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 13 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 14 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 15 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 16 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 17 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 18 to Deposition Transcript of Morgan Hammerstrom

Snap	Morgan Hammerstrom	2/12/2025	Exhibit 19 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 20 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 21 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 22 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 23 to Deposition Transcript of Morgan Hammerstrom
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Snap	Morgan Hammerstrom	2/12/2025	Exhibit 27 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 28 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 29 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 30 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 31 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 32 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 33 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 34 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 35 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 36 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 37 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 38 to Deposition Transcript of Morgan Hammerstrom

Snap	Morgan Hammerstrom	2/12/2025	Exhibit 39 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 40 to Deposition Transcript of Morgan Hammerstrom
YouTube	Neal Mohan	4/24/2025	Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 1 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 2 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 3 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 4 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 5 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 6 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 7 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 8 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 9 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 10 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 11 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 12 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 13 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 14 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 15 to Deposition Transcript of Neal Mohan
Meta	Nick Clegg	3/20/2025	Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 1 to Deposition Transcript of Nick Clegg

Meta	Nick Clegg	3/20/2025	Exhibit 2 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 3 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 4 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 5 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/20/2025	Exhibit 11 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/20/2025	Exhibit 13 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/20/2025	Exhibit 17 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 18 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 19 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 20 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 21 to Deposition Transcript of Nick Clegg

Meta	Nick Clegg	3/20/2025	Exhibit 22 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 23 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 24 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 25 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/20/2025	Exhibit 40 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 41 to Deposition Transcript of Nick Clegg

Meta	Nick Clegg	3/20/2025	Exhibit 42 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 43 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 44 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 45 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 46 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/20/2025	Exhibit 49 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 50a to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 50b to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 51 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 52 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/20/2025	Exhibit 54 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 55 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/21/2025	Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 38 to Deposition Transcript of Nick Clegg

Meta	Nick Clegg	3/21/2025	Exhibit 39 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 40 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 41 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 63 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 64 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/21/2025	Exhibit 75 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 76 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/21/2025	Exhibit 80 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 81 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/21/2025	Exhibit 84 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 85 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 86 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 87 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 88 to Deposition Transcript of Nick Clegg
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Meta	Nick Clegg	3/21/2025	Exhibit 91 to Deposition Transcript of Nick Clegg
Snap	Nona Yadegar	12/16/2024	Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 1 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 2 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 3 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 4 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 5 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 6 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 7 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 8 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 9 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 10 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 11 to Deposition Transcript of Nona Yadegar



Snap	Nona Yadegar	12/16/2024	Exhibit 12 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 13 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 14 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 15 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 16 to Deposition Transcript of Nona Yadegar
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Snap	Nona Yadegar	12/16/2024	Exhibit 18 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 19 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 20 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 21 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 22 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 23 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 24 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 25 to Deposition Transcript of Nona Yadegar
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Snap	Nona Yadegar	12/16/2024	Exhibit 29 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 30 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 31 to Deposition Transcript of Nona Yadegar

Snap	Nona Yadegar	12/16/2024	Exhibit 32 to Deposition Transcript of Nona Yadegar
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Snap	Peter Sellis	2/6/2025	Exhibit 3 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 4 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 5 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 6 to Deposition Transcript of Peter Sellis

Snap	Peter Sellis	2/6/2025	Exhibit 7 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 8 to Deposition Transcript of Peter Sellis
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Snap	Peter Sellis	2/6/2025	Exhibit 11 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 12 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 13 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 14 to Deposition Transcript of Peter Sellis
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Snap	Peter Sellis	2/6/2025	Exhibit 17 to Deposition Transcript of Peter Sellis
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Snap	Peter Sellis	2/6/2025	Exhibit 24 to Deposition Transcript of Peter Sellis
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YouTube	Raj Iyengar	3/13/2025	Exhibit 3 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 4 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 5 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 6 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 7 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 8 to Deposition Transcript of Raj Iyengar

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TikTok	Reagan Maher	2/21/2025	Deposition Transcript of Reagan Maher
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TikTok	Reagan Maher	2/21/2025	Exhibit 3 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 4 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 5 to Deposition Transcript of Reagan Maher

TikTok	Reagan Maher	2/21/2025	Exhibit 6 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 7 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 8 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 9 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 10 to Deposition Transcript of Reagan Maher
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TikTok	Reagan Maher	2/21/2025	Exhibit 12 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 13 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 14 to Deposition Transcript of Reagan Maher
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TikTok	Reagan Maher	2/21/2025	Exhibit 16 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 17 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 18 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 19 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 20 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 21 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 22 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 23 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 24 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 25 to Deposition Transcript of Reagan Maher

TikTok	Reagan Maher	2/21/2025	Exhibit 26 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 27 to Deposition Transcript of Reagan Maher
YouTube	Reid Watson	3/12/2025	Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 1 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 2 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 3 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 4 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 5 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 6 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 7 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 8 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 9 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 10 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 11 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 12 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 13 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 14 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 15 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 16 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 17 to Deposition Transcript of Reid Watson

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YouTube	Reid Watson	3/12/2025	Exhibit 20 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 20a to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 21 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 22 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 23 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 24 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 25 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 26 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 27 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 28 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 29 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 30 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 32 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 33 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 34 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 35 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 36 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 37 to Deposition Transcript of Reid Watson

YouTube	Reid Watson	3/12/2025	Exhibit 38 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 39 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 40 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 41 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 42 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 43 to Deposition Transcript of Reid Watson
TikTok	Ryn Linthicum	4/17/2025	Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 1 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 2 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 3 to Deposition Transcript of Ryn Linthicum
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TikTok	Ryn Linthicum	4/17/2025	Exhibit 10 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 11 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 12 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 13 to Deposition Transcript of Ryn Linthicum



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TikTok	Ryn Linthicum	4/17/2025	Exhibit 20 to Deposition Transcript of Ryn Linthicum
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TikTok	Ryn Linthicum	4/17/2025	Exhibit 22 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 23 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 24 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 25 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 26 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 27 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 28 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 29 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 30 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 31 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 32 to Deposition Transcript of Ryn Linthicum
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TikTok	Ryn Linthicum	4/17/2025	Exhibit 42 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 43 to Deposition Transcript of Ryn Linthicum
TikTok	Sandeep Grover	2/27/2025	Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 1 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 2 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 3 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 4 to Deposition Transcript of Sandeep Grover
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TikTok	Sandeep Grover	2/27/2025	Exhibit 7 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 8 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 9 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 10 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 11 to Deposition Transcript of Sandeep Grover

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TikTok	Sandeep Grover	2/27/2025	Exhibit 18 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 19 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 20 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 22 to Deposition Transcript of Sandeep Grover
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TikTok	Sandeep Grover	2/27/2025	Exhibit 24A to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 24B to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 24C to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 25 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 26 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 29 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 27 to Deposition Transcript of Sandeep Grover
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Google	Sharon Stovezky	12/11/2024	Exhibit 8 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 9 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 10 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 11 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 12 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 13 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 14 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 15 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 16 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 17 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 18 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 19 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 20 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 21 to Deposition Transcript of Sharon Stovezky

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YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 1 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 2 to Deposition Transcript of Shimrit Ben-Yair

YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 3 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 4 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 5 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 6 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 7 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 8 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 9 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 10 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 11 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 12 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 13 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 14 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 15 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 16 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 17 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 18 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 19 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 20 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 21 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 22 to Deposition Transcript of Shimrit Ben-Yair

YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 23 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 24 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 25 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 26 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 27 to Deposition Transcript of Shimrit Ben-Yair
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YouTube	Tanaya Kasavana	1/28/2025	Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 1 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 2 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 3 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 4 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 5 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 6 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 7 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 8 to Deposition Transcript of Tanaya Kasavana

YouTube	Tanaya Kasavana	1/28/2025	Exhibit 9 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 10 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 11 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 12 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/29/2025	Deposition Transcript of Tanaya Kasavana
Meta	Vaishnavi Jayakumar	1/30/2025	Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 1 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 2 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 3 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 4 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 6 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 12 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 13 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 14 to Deposition Transcript of Vaishnavi Jayakumar

Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 15 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 16 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 17 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 18 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 19 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 20 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 21 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 21A to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 22 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 23 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 24 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 28 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 37 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 39 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 41 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 42 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 43 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 44 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 45 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 46 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 47 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 48 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 49 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 50 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 51 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 52 to Deposition Transcript of Vaishnavi Jayakumar

Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 53 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 59 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 61 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 62 to Deposition Transcript of Vaishnavi Jayakumar
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Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 66 to Deposition Transcript of Vaishnavi Jayakumar
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TikTok	Victoria McCullough	2/19/2025	Deposition Transcript of Victoria McCullough

TikTok	Victoria McCullough	2/19/2025	Exhibit 1 to Deposition Transcript of Victoria McCullough
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YouTube	Woojin Kim	3/11/2025	Deposition Transcript of Woojin Kim
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YouTube	Woojin Kim	3/11/2025	Exhibit 2 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 3 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 4 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 5 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 6 to Deposition Transcript of Woojin Kim
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YouTube	Woojin Kim	3/11/2025	Exhibit 14 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 15 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 16 to Deposition Transcript of Woojin Kim

YouTube	Woojin Kim	3/11/2025	Exhibit 17 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 18 to Deposition Transcript of Woojin Kim
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